

Engineering Safety & Environmental Protection

ID #	Question	Choice A	Choice B	Choice C	Choice D
1	"Category 1" EPIRB's transmit on frequencies that are monitored by _____.	offshore supply vessels	commercial fishing vessels	orbiting satellites in space	naval warships
2	"Category 1" EPIRB's transmit on frequencies that are monitored by _____.	offshore supply vessels	commercial fishing vessels	orbiting satellites in space	naval warships
3	"Dry Powder" fire extinguishers, which contain a mixture of graphite and sodium chloride as the extinguishing agent, are generally used to fight which type of fire?	Class B	Class C	Class D	all of the above
4	"Line Displacement" is a procedure that is followed at an oil terminal facility, when there is a change of _____.	cargo lines at the terminal before loading	product before the start of loading	product during the final phase of loading	product after the final discharge
5	"Portable" oil tank cleaning machines are usually provided with a water supply from the _____.	inert gas scrubber	firemain	mucking supply system	potable water supply
6	"Prohibited oil spaces" as specified in the Pollution Prevention Regulations (33 CFR Part 155) provide regulations for which of the following?	A vessels double-bottom fuel oil tanks.	A vessels midship fuel tanks.	Tanks storing oil in the forepeak compartment.	Oil tanks in the afterpeak compartment.
7	A "Discharge of Oil Prohibited" placard must be fixed in a conspicuous place in each machinery space, or at the bilge and ballast pump control station as required by _____.	33 CFR 151	33 CFR 153	33 CFR 155	46 CFR 42
8	A ballast tank is one-third full when additional ballast is added until it is two-thirds full. The increased amount of liquid in the tank will have the greatest influence on the _____.	free surface effect	transverse stability	virtual rise in the center of gravity	value of the moment to trim 1 inch (MT1)
9	A branch line valve of a fixed fire extinguishing system on a MODU must be marked with the _____.	maximum pressure allowed at that branch	name of the space or spaces which it serves	date of the last maintenance inspection	pressure needed to maintain an effective stream at that point
10	A burning AC motor would be considered what class of fire?	Class "A"	Class "B"	Class "C"	Class "D"
11	A burning mattress is considered as which of the following classes of fire?	Class "A"	Class "B"	Class "C"	Class "D"
12	A category of health hazard, as listed on a Material Safety Data Sheet (MSDS) which includes teratogens and mutagens, is called a _____.	pyrophoric hazard	reactive hazard	reproductive hazard	contamination hazard
13	A Certificate of Financial Responsibility attests that the vessel _____.	has financial backing to meet any liability resulting from the discharge of oil	has the minimum required amount of P&I	will assume the responsibility for any damage or loss to the shipper	has financial reserves to meet reasonable expected crew costs of an intended voyage

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14	A characteristic of most petroleum vapors is that they are _____.	lighter than air	not explosive at low temperatures	heavier than air	inert in stable air
15	A chemical material, as listed on a Material Safety Data Sheet (MSDS) that can undergo a sudden and violent release of pressure and heat is called _____.	combustible	explosive	flammable	toxic
16	A chemical material, as listed on a Material Safety Data Sheet (MSDS) that reacts with water or moist air, and produces a health or physical hazard, is called _____.	water-reactive	toxic	flammable	combustible
17	A chemical material, as listed on a Material Safety Data Sheet (MSDS) that supplies oxygen required to start or support fire is called a/an _____.	irritant	polymerization hazard	oxidizer	toxin
18	A chemical material, as listed on a Material Safety Data Sheet (MSDS), that can spontaneously burst into flames when exposed to air at temperatures below 130°F (55.5°C) with no ignition source needed, is called _____.	explosive	pyrophoric	unstable	flammable
19	A chemical that causes a substantial proportion of exposed people or animals to develop an allergic reaction in normal tissue after repeated exposure is listed on a Material Safety Data Sheet (MSDS) as a _____.	skin contact hazard	physical hazard	sensitizer	skin absorption hazard
20	A class "B" fire would most likely occur in the _____.	main switchboard	engine room bilge	breathing compartment	electric fresh water transfer pump
21	A class "C" fire is burning _____.	diesel oil	magnesium	dunnage	electrical insulation
22	A class "C" fire would most likely occur in the _____.	engine room bilges	main switchboard	paint locker	rag bin
23	A class "C" fire would occur in _____.	bedding	pipe insulation	paint	a generator
24	A class "D" fire would be considered as burning _____.	wood	oil	electrical equipment	magnesium
25	A class "D" fire would involve the burning of _____.	diesel oil	magnesium	dunnage	electrical insulation
26	A CO2 fire extinguisher provided aboard a MODU has lost 10% of its charge. It now must be _____.	used at the earliest opportunity	hydro tested	recharged	weighed again in one month
27	A combustible gas indicator is used to determine _____.	if there is sufficient oxygen to support life	the toxicity of flammable gases or vapors	the amount of CO2 present in flue gas	the presence of flammable gases or vapors in the air
28	A compound fracture is a fracture _____.	in which more than one bone is broken	in which the same bone is broken in more than one place	which is accompanied by internal bleeding	which causes external bleeding at the site of the fracture

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29	A conscious victim who has suffered a blow to the head has symptoms that indicate the possibility of concussion. If the patient feels no indication of neck or spine injury, recommended treatment would include _____.	turning the victim's head to the side to keep his airway open	positioning the victim so the head is lower than the body	giving the victim water if he is thirsty, but no food	elevating the head and shoulders slightly
30	A continual change in the list, or trim of any floating MODU indicates _____.	negative 'GM'	progressive flooding	structural failure	an immediate need to counter flood
31	A continuous blast of the ship's whistle for a period of not less than 10 seconds, supplemented by a continuous sounding of the general alarm for a period of not less than 10 seconds, is the _____.	boat stations signal	secure from boat stations signal	fire alarm signal	lower lifeboats signal
32	A continuous blast of the whistle for a period of not less than 10 seconds, supplemented by the continuous ringing of the general alarm bells for not less than 10 seconds, would indicate a _____.	fire	collision	man overboard	flooded compartment
33	A continuous sounding of the vessel's whistle, supplemented by a continuous ringing of the general alarm bells for a period of not less than 10 seconds, is the signal for _____.	man overboard	boat stations	fire stations	secure from all drills
34	A corrosion resistant fine mesh wire screen is commonly fitted to the end of tank vent piping to prevent _____.	passage of flames into the tank	entry of rodents into the tank	debris stopping up the vent pipe	water from entering the tank
35	A crack, located in the shell plating or deck plating of a ship, may be temporarily prevented from increasing in length by _____.	drilling a hole at each end of the crack	installing welded brackets across both ends	V-grooving and welding from both sides of the crack	cutting a square notch at each end of the crack
36	A crew member has been overcome by toxic fumes in the pump room. Which of the following actions should be taken before entering the pump room to rescue the victim?	Put on an approved self-contained breathing apparatus.	Have someone stand by the entrance.	Wear a lifeline.	All of the above.
37	A crew member has suffered a burn on the arm. There is extensive damage to the skin with charring present. This is an example of what kind of burn?	Dermal burn	Third degree burn	Second degree burn	Lethal burn
38	A crew member has suffered frostbite to the toes of both feet. You should _____.	immerse the feet in warm water	warm the feet with a heat lamp	warm the feet at room temperature	rub the feet to restore circulation
39	A crew member has suffered frostbite to the toes of his right foot. Which of the following is NOT an acceptable first aid measure?	Rub the toes briskly.	Elevate the foot slightly.	Warm the frost bitten toes rapidly.	Give aspirin or other medication for pain if necessary.
40	A crew member has suffered frostbite to the toes of his right foot. Which of the following is NOT an acceptable first aid measure?	Rub the toes briskly.	Elevate the foot slightly.	Warm the frost bitten toes rapidly.	Give aspirin or other medication for pain if necessary.

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41	A crew member has suffered possible frostbite to the toes of both feet. You should _____.	immerse the feet in warm water	warm the feet with a heat lamp	warm the feet at room temperature	rub the feet to restore circulation
42	A crew member is unconscious and the face is flushed. You should _____.	lay the crew member down with the head and shoulders slightly raised	administer a liquid stimulant	lay the crew member down with the head lower than the feet	attempt to stand the crew member upright to restore consciousness
43	A crew member suffering from generalized hypothermia should be given _____.	a small dose of alcohol	treatment for shock	a large meal	a brisk rub down
44	A crew member suffering from generalized hypothermia should be given _____.	a small dose of alcohol	treatment for shock	a large meal	a brisk rub down
45	A crew member suffering from hypothermia should be given _____.	a small dose of alcohol	treatment for shock	a large meal	a brisk rub down
46	A crewman has suffered a blow to the head and various symptoms indicate a concussion. Proper treatment should include _____.	turning the victim's head to the side to keep his airway open	positioning the victim so the head is lower than the body	giving the victim water but no food	placing a pillow only under the victim's head
47	A crewmember has a small, gaping laceration of the arm that is not bleeding excessively. What can be done as an alternative to suturing to close the wound?	Massage the area to maintain circulation.	Use temporary stitches of sail twine.	Wrap a tight bandage around the wound.	Apply butterfly strips, then a sterile dressing.
48	A Crude Oil Wash (COW) system is considered as _____.	a water operated Butterworth system	a mechanism which filters and purifies crude oil	a Butterworth system using crude oil instead of water as the cleaning medium	a cleanup for pump room bilges
49	A cutoff valve in the fire main system of a MODU may be closed to protect a portion of the system on an exposed deck from _____.	damage from crane operations	being used for wash down purposes	accidental diversion of flow to wrong location	freezing
50	A definite advantage in the use of water as a fire extinguishing agent is its ability to _____.	alternate expansion and contraction as water in liquid state becomes vapor	absorb smoke and gases as water is converted from liquid to vapor	rapidly contract as water is converted from a liquid to a vapor	vaporize and rapidly expand as water absorbs heat
51	A device for preventing sparks or flames from entering a tank, while permitting the free passage of gases is called a _____.	gas absorption detector	pressure-vacuum relief valve	flame screen	sacrificial anode
52	A disadvantage of using CO2 for firefighting is that _____.	the CO2 does not significantly cool the fire	the cylinders are regulated pressure vessels	they are not effective on class "B" fires	they are not effective on class "C" fires
53	A distress signal _____.	consists of 5 or more short blasts of the fog signal apparatus	consists of the raising and lowering of a large white flag	may be used individually or in conjunction with other distress signals	is used to indicate doubt about another vessel's intentions

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54	A feature of an inflatable raft which helps keep people stationary in rough weather is _____.	lashings on the floor of the raft for the passenger's feet	straps from the overhead	lifelines on the inside of the raft	ridges in the floor of the raft
55	A fire and boat drill on a tank vessel shall, by regulation, include _____.	starting the fire pumps	checking fireman's outfits and other personal rescue equipment	checking relevant communications equipment	all of the above
56	A fire can be extinguished by removing _____.	the heat	the fuel	the oxygen	any of the above
57	A fire can spread by "convection" as a result of _____.	transmitting the heat of a fire through the ship's metal	burning liquids flowing into another space	hot combustion gases flowing through ventilation systems	the transfer of heat across an unobstructed space
58	A fire cannot exist if which of the listed elements is removed from the fire?	Oxygen	Fuel	Heat	Any of the above.
59	A fire discovered in an operating laundry room dryer is considered to be which of the listed classes of fire?	Class A	Class B	Class C	Class D
60	A fire hose is subject to damage if the swivel on the female coupling is lubricated with _____.	Graphite	Grease	Soap	Talc
61	A fire hose should be stowed in its rack with the _____.	hose sections disconnected	foam nozzle attached	all-purpose nozzle attached	hose sections rolled separately
62	A fire in a fuel oil settling tank is a _____.	Class A fire	Class B fire	Class C fire	Class D fire
63	A fire in a pile of canvas would be classified as a _____.	class A	class B	class C	class D
64	A fire in a pile of dunnage would be classified as a _____.	class A	class B	class C	class D
65	A fire in a pile of linen is considered to be a class _____.	A fire	B fire	C fire	D fire
66	A fire in an electrical generator is considered to be _____.	Class "A"	Class "B"	Class "C"	Class "D"
67	A fire in an oil rig ballast pump room can be brought under control with minimal impact on stability by _____.	cooling the outside bulkheads with water	shutting all sources of air into the compartment	closing the sea chest	flooding the compartment with salt water
68	A fire in the paint locker would probably be _____.	Class A	Class B	Class C	Class D
69	A fire involving aluminum powder would be a class _____.	"A" fire	"B" fire	"C" fire	"D" fire
70	A fire involving trash and paper waste would be classified as a _____.	class A	class B	class C	class D
71	A fire is considered 'under control' when _____.	all hands are at their fire stations	all firefighting equipment is at the scene	the fixed systems are activated	the fire is contained and no longer spreading

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72	A fire may be spread by which of the following means?	Conduction of heat to adjacent surfaces	Direct radiation	Convection	All of the above
73	A fire pump used on a MODU requires 175 psi discharge pressure to maintain the required 50 psi pitot tube pressure at the two highest hydrants. The maximum pressure setting for this installation relief valve is _____.	125 psi	175 psi	200 psi	225 psi
74	A fire station located in the engine room, is required by regulations to have _____.	a spanner wrench suitable for the size of hose at that station	lined or unlined hose, depending upon its location	a 6 foot or 10 foot low velocity fog applicator	all of the above
75	A fire that has developed in a pile of rubber gasket material would be classified as a _____.	class A	class B	class C	class D
76	A fire, occurring in the windings, of an overloaded electrical motor, is considered a _____.	class "A" fire	class "B" fire	class "C" fire	class "D" fire
77	A fireman's outfit carried onboard cargo vessels, must have a _____.	canister-type gas mask	fresh-air breathing apparatus	self-contained breathing apparatus	combustible gas indicator
78	A fixed carbon dioxide extinguishing system for a machinery space, designed with a stop valve installed in the line leading to the protected space, is actuated with _____.	one control	two independent controls	three independent controls	four independent controls
79	A fixed CO2 fire extinguishing system on a MODU. with a capacity of over 300 lbs (136 kilograms) CO2, protecting spaces other than tanks, must have _____.	two or more releasing stations	automatic release in event of a fire	an audible alarm and time delay	an audible and visible alarm
80	A flat block placed under the end of a wooden shore for the purpose of distributing pressure against a damaged structure is referred to as a _____.	gusset	joist	web	strongback
81	A floating MODU with an initial negative metacentric height _____.	will capsize	will incline further	may lie at an angle of loll	may be initially level
82	A floating vessel will behave as if all of its weight is acting downward from the _____.	center of gravity	center of buoyancy	center of flotation	metacenter
83	A frapping line, shown in the illustration, is indicated by number _____.	1	2	3	4
84	A fuel tank is considered to be gas free when the tank is _____.	inerted with carbon dioxide for 24 hours	free of most flammable gas concentrations	thoroughly ventilated for at least 24 hours	free of all dangerous concentrations of flammable or toxic gases

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85	A fuel tank on a barge has been certified by a marine chemist as being "Safe for Men" and "Safe for fire." This condition may change if _____.	the ambient temperature changes	a product leaks into the certified tank	muck, sludge, or scale in the tank give off additional vapors	all of the above
86	A fuel/air mixture below the lower explosive limit is too _____.	rich to burn	lean to burn	cool to burn	dense to burn
87	A fully charged standard SCBA can be expected to supply air under non-stressful conditions for approximately _____.	15 minutes	30 minutes	45 minutes	60 minutes
88	A galley grease fire would be classified as _____.	Class A	Class B	Class C	Class D
89	A good approach to personnel safety is to assume that all tanks and pump rooms are potentially dangerous. You should immediately leave an area whenever _____.	you have irritation of the eyes, nose, or throat	you smell an unusual odor	you experience an abnormal bodily sensation	any of the above conditions occur
90	A grade "A" petroleum product is _____.	a flammable liquid	a combustible liquid	jet fuel	lubricating oil
91	A grade "E" combustible liquid is one having a flash point of 150°F or above. An example of a grade "E" product is _____.	Engine lubricating oil	Gasoline	Alcohol	Diesel oil
92	A grade "E" petroleum product is _____.	a flammable liquid	a combustible liquid	kerosene	light fuel oil
93	A gurgling noise is heard from within a cargo tank when discharging cargo, this would indicate that the _____.	tank liquid is too viscous	pump discharge pressure is excessive	pump is sucking air	tank foot valve is partially clogged
94	A hand portable CO2 fire extinguisher is effective on burning oil only _____.	if applied promptly	if applied in connection with foam	to prevent rekindling	if attempts to extinguish the fire with low velocity fog have failed
95	A health hazard term listed on a Material Safety Data Sheet (MSDS) that indicates allergic-like reaction in some people after repeated exposure is _____.	skin contact hazard	sensitizer	pyrophoric hazard	oxidizer
96	A health hazard, listed on a Material Safety Data Sheet (MSDS), that can cause cancer in exposed individuals is called a _____.	carcinogen	cryogenic	irritant	mutagen
97	A hole in the hull above the waterline may be temporarily patched with _____.	pillows	blankets	mattresses	All of the above.
98	A hydrostatic release mechanism for a life raft _____.	must be wet before it will release	should be kept in a watertight cover except in an emergency	will inflate the raft in its cradle if operated manually	must be submerged to a certain depth to release automatically
99	A hydrostatic release mechanism for a life raft _____.	must be wet before it will release	should be kept in a watertight cover except in an emergency	will inflate the raft in its cradle if operated manually	must be submerged to a certain depth to release automatically

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100	A large fire has developed in the HFO centrifuge room accessed by door "E". To combat the fire you should _____.	close all openings and ventilation dampers to the involved space	advance the hose team into the room without any additional action	increase the ventilation to the involved space	set up a hose team to cool the door, then open the door and extinguish the fire using a type B-II extinguisher
101	A large fire has developed in the HFO centrifuge room accessed by door "E". To combat the fire you should _____.	only need to advance a hose team into the room without any additional preparatory action	immediately shut down ventilation for the involved space	only need to keep the door tightly closed until all the oil has been consumed by the fire	set up a hose team to cool the closed door to set the boundary, then open the door and extinguish the fire using a type B-II extinguisher
102	A large fire has developed in the HFO centrifuge room accessed by door "E". To combat the fire you should _____.	keep the door tightly closed until all the oil has been consumed by the fire	only need to set up a hose team to cool the door, then open the door and extinguish the fire using a type B-II extinguisher	cool adjoining horizontal and vertical surfaces before opening the door to extinguish the fire	advance the hose team into the room without any additional preparatory action
103	A large fire has developed in the HFO centrifuge room accessed by door "E". You should _____.	open doors, hatches, portholes, or similar openings to the affected space	advance the hose team into the room without any additional preparatory action	increase the ventilation to the involved space	remove combustibles from adjacent spaces
104	A large fire has developed in the HFO purifier room accessed by door "E". To combat this fire you should _____.	only need to keep the door tightly closed until all the burning oil has been consumed by the fire	remotely de-energize the power to the purifiers and ventilation fans in the room and activate the fixed fire extinguishing system for that space	advance the hose team into the room without any additional preparatory action	cool the purifier room door using a 12 foot applicator prior to sending in personnel equipped with type B-II portable extinguishers
105	A large fire has developed in the main space of your vessel and you are assigned to the hose team and have suited up in a firefighter's ensemble suit. What will determine the time allowed to combat the fire before you should be relieved?	Atmospheric conditions.	Intensity of the fire.	Available air supply.	All of the above.
106	A large oil fire on the weather deck of a ship can be effectively fought using _____.	dry chemical	soda acid	foam	high velocity fog
107	A life line must be connected to the life raft _____.	at the bow	at the stern	in the middle	all around

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108	A life raft which has inflated bottom-up on the water _____.	should be righted by standing on the carbon dioxide cylinder, holding the righting straps and leaning backwards	should be righted by standing on the lifeline, holding the righting straps and leaning backwards	will right itself when the canopy tube inflate	must be cleared of the buoyant equipment before it will right itself
109	A life raft which has inflated bottom-up on the water _____.	should be righted by standing on the carbon dioxide cylinder, holding the righting straps and leaning backwards	should be righted by standing on the lifeline, holding the righting straps and leaning backwards	will right itself when the canopy tube inflates	must be cleared of the buoyant equipment before it will right itself
110	A life raft with a capacity of 8 people in ocean service is required by regulation to carry _____.	8 liters of fresh water	12 liters of fresh water	12 units of provisions	24 units of provisions
111	A life raft with a capacity of 8 people in ocean service is required by regulation to carry _____.	8 liters of fresh water	12 units of provisions	12 liters of fresh water	24 units of provisions
112	A lifeline must be connected to the life raft _____.	at the bow	at the stern	in the middle	all around
113	A lifeline must be connected to the life raft _____.	at the bow	at the stern	in the middle	all around
114	A liquid having a flash point above 80°F, but below 150°F, would be termed a grade _____.	A flammable liquid	C flammable liquid	D combustible liquid	E combustible liquid
115	A liquid, as listed on a Material Safety Data Sheet (MSDS), having a flash point below 100°F (37.78°C) is called a/an _____.	viscous liquid	explosive liquid	combustible liquid	flammable liquid
116	A load line for a MODU is assigned by the _____.	Minerals Management Service	Department of Energy	Corps of Engineers	a recognized classification society approved by the Coast Guard
117	A load line is assigned to a MODU to insure adequate stability and _____.	mooring tension	riser tension	lifesaving equipment	structural strength
118	A low velocity fog applicator is held in an all-purpose nozzle by a bayonet joint. The applicator is prevented from rotating in the joint by _____.	water pressure	a keeper screw	a spring-loaded catch	a locknut
119	A low velocity fog applicator is retained in an all-purpose nozzle by a bayonet joint. The applicator is prevented from rotating in the joint by _____.	water pressure	a locknut	a keeper screw	a spring-loaded catch
120	A low velocity fog applicator is used in firefighting to _____.	apply large droplets of foam	cool and smother the fire	break up burning embers	extinguish hard to reach electrical fires

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121	A magnesium fire would be classified as a _____.	class A	class B	class C	class D
122	A magnetic compass card is marked in how many degrees?	90	180	360	400
123	A man aboard a vessel, signaling by raising and lowering his outstretched arms to each side, is indicating _____.	danger, stay away	all is clear, it is safe to pass	all is clear, it is safe to approach	a distress signal
124	A man has suffered a burn on his arm characterized by reddening of the skin, blistering, and swelling. This is an example of what kind of burn?	Major burn	Third degree burn	Second degree burn	Blister burn
125	A man has suffered a burn on the arm. There is a reddening of the skin but no other apparent damage. This is an example of what kind of burn?	Minor burn	Superficial burn	Extremity burn	First degree burn
126	A method NOT usually allowed for cleaning up oil spills would be the use of _____.	skimmers	straw	dispersants	sawdust
127	A minor heat burn of the eye should be treated by _____.	gently flooding with water	warming the eye with moist warm packs	laying the person flat on his back	mineral oil drops directly on the eye
128	A MODU is inclined at an angle of loll. In the absence of external forces, the righting arm (GZ) is _____.	positive	negative	zero	vertical
129	A MODU is required to carry an Oil Record Book to log entries in the book regarding the _____.	discharge of ballast or cleaning water from fuel tanks	sounding levels of all fuel tanks on a daily basis	grade and specific gravity of all fuel oil carried	fuel consumption rates on a weekly basis
130	A MODU is required to carry an Oil Record Book, and must maintain the book on board for _____.	one year	two years	three years	four years
131	A MODU must have a self-contained breathing apparatus to be used as protection from gas leaking from a refrigeration unit. To meet this requirement, you may use _____.	a gas mask certified by the Mine Safety and Health Administration	the same self-contained breathing apparatus required with the fireman's outfit	an oxygen breathing apparatus, provided that the device has been inspected within three years	a portable ventilation system that will provide a complete change of air every three minutes
132	A ocean going ship having an inoperative oily water separator may dispose of its bilge slops by _____.	slowly operating the bilge pump at half capacity so that it never completely dewater the bilges	circulating them through the lube oil purifier to remove water and debris	holding its slops onboard until they can be discharged to a shore side reception facility	pumping them into a settling tank for separation before pumping the oily water residue overboard
133	A patient suffering from heat exhaustion should first be _____.	given mild seawater solution to drink to replace salt and fluids	kept standing and encouraged to walk slowly and continuously	given a glass of water and told to return to work after 15 minutes of rest	moved to a cool room and told to lie down

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134	A patient suffering from heat exhaustion should first be _____.	given a mild seawater solution to drink to replace salt and fluids	kept standing and encouraged to walk slowly and continuously	given a glass of water and told to return to work after 15 minutes of rest	moved to a cool room and told to lie down
135	A person has fallen overboard and is being picked up with a rescue boat. If the person appears in danger of drowning, the rescue boat should be maneuvered to make _____.	an approach from leeward	an approach from windward	the most direct approach	an approach across the wind
136	A person has suffered a laceration of the arm. Severe bleeding has been controlled by using a sterile dressing and direct pressure. Which of the following actions should be taken next?	Apply a tourniquet to prevent the bleeding from restarting.	Apply a pressure bandage over the dressing.	Remove any small foreign matter and apply antiseptic.	Administer fluids to assist the body in replacing the lost blood.
137	A person manning a fire hose under pressure with an all-purpose nozzle attached, should be aware that the nozzle is most difficult to control when the handle position is changed from _____.	solid stream to fog	shut to solid stream	low velocity to high velocity fog	fog to shut
138	A person on a fixed or floating platform engaged in oil exploration MAY discharge food waste into the sea when the distance from the nearest land is at least _____.	3 nautical miles	5 nautical miles	12 nautical miles	25 nautical miles
139	A person on a fixed, or floating platform engaged in oil exploration, located 10 nautical miles from nearest land MAY discharge _____.	food waste	food, ground to less than 1"	paper, ground to less than 1"	none of the above
140	A person reports to you with a fishhook in his thumb. To remove it you should _____.	have a surgeon remove it	pull it out with pliers	cut the skin from around the hook	push the barb through, cut it off, then remove the hook
141	A person reports to you with a fishhook in their thumb. The accepted procedure for removing it should be to _____.	pull it out with pliers	cut the skin from around the hook	push the barb through, cut it off, and then remove the hook	have a surgeon remove it
142	A person suffering from a heart attack may show which of the following symptoms?	Shortness of breath	Pain in the left arm	Nausea	All the above
143	A person suffering from a heart attack may show which of the following symptoms?	Shortness of breath	Pain in the left arm	Nausea	All of the above
144	A person suffering from possible broken bones and internal injuries should _____.	be assisted in walking around	be examined then walked to a bunk	not be moved, but made comfortable until medical assistance arrives, provided he is in a safe environment	not be allowed to lie down where injured but moved to a chair or bunk
145	A person who gets battery acid in an eye should IMMEDIATELY wash the eye with _____.	boric acid solution	water	baking soda solution	ammonia

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146	A person who observes an individual fall overboard from a MODU should _____.	immediately jump into the water to assist the individual	call for help and keep the individual in sight	run to the radio room to send an emergency message	go to the control room for the distress flares
147	A person who observes an individual fall overboard from an OSV should _____.	immediately jump into the water to assist the individual	call for help and keep the individual in sight	run to the radio room to send an emergency message	go to the control room for the distress flares
148	A portable foam fire extinguisher carried aboard a tank vessel must be recharged every _____.	3 months	6 months	9 months	12 months
149	A qualified person must be assigned as the second in command of a lifeboat on a MODU if the lifeboat has a capacity of more than _____.	20 persons	30 persons	40 persons	50 persons
150	A quick and rapid motion of a MODU in a seaway is an indication of _____.	large 'GM'	high center of gravity	excessive free surfaces	small 'GZ'
151	A raft should be manually released from its cradle by _____.	cutting the straps that enclose the container	removing the rubber sealing strip from the container	loosening the turnbuckle on the securing strap	pushing the button on the hydrostatic release
152	A reproductive health hazard, listed on a Material Safety Data Sheet (MSDS), that can damage the fetus during development is called a _____.	pyrophoric	teratogen	mutagen	cryogenic
153	A reproductive health hazard, listed on a Material Safety Date Sheet (MSDS), that can cause genetic changes in sperm or egg cells is called a _____.	cryogenic	carcinogen	teratogen	mutagen
154	A rescuer can most easily determine whether or not an adult victim has a pulse by checking the pulse at the _____.	carotid artery in the neck	femoral artery in the groin	brachial artery in the arm	radial artery in the wrist
155	A right-handed propeller will cause the survival craft to _____.	walk the stern to starboard in reverse	walk the stern to port in reverse	run faster than a left-handed propeller	right the survival craft if capsized
156	A rigid lifesaving device designed for a group of survivors to hold on to while in the water is defined as a _____.	life raft	life cushion	life preserver	buoyant apparatus
157	A rigid lifesaving device designed for a group of survivors to hold on to while in the water would be correctly called a _____.	life ring	life float	inflatable life raft	survival capsule
158	A safety feature provided on all inflatable life rafts is _____.	overhead safety straps	built in seats	internal releasing hooks	the use of water stabilizing pockets
159	A safety feature provided on all inflatable life rafts is _____.	overhead safety straps	built in seats	internal releasing hooks	the use of water stabilizing pockets

ID #	Question	Choice A	Choice B	Choice C	Choice D
160	A safety outlet is provided on the CO2 discharge piping to prevent _____.	over pressurization of the space being flooded	rupture of cylinder due to temperature increase	over pressurization of the CO2 discharge piping	flooding of a space where personnel are present
161	A safety 'ring pin' is usually inserted in the handle of a CO2 fire extinguisher to prevent _____.	the cylinder valve from coming loose	the handle from contacting the cylinder	contamination of the valve parts	accidental discharge from the extinguisher
162	A sea anchor is _____.	a heavy metal anchor with an extra long line used to anchor in deep water	a cone shaped bag used to slow down the wind drift effect	a pad eye to which the sea anchor is made fast	made of wood, if it is an approved type
163	A seaman has sustained a small, gaping laceration of the arm requiring sutures to close if medical facilities were available. Which of the following remedies can be done to temporarily close the wound?	Wrap a tight bandage around the wound.	Gently close the wound and while holding it closed apply a compression bandage.	Use temporary stitches of sail twine.	Apply butterfly strips and cover with a sterile dressing.
164	A segregated ballast system is a system where _____.	all ballast is processed through the oily water separator	ballast is taken on and discharged through a separate main deck riser	ballast and cargo tanks are separated by cofferdams	all ballast lines, tanks, and pumps are independent of those used for oil
165	A self-propelled ship of 400 gross tons, constructed in January 1974, may carry fuel oil in tanks forward of the collision bulkhead, if such tanks were _____.	designated for fuel oil carriage after Jan 31, 1975	installed for fuel oil carriage on August 1, 1974	designated, installed, or constructed for fuel oil carriage before July 1, 1974	designed for cargo oil using specifications from 1976 Pollution Prevention Regulations
166	A self-righting survival craft will return to an upright position provided that all personnel _____.	are seated with seatbelts on and doors shut	are seated with seatbelts on and doors open	are to shift to one side to right it	escape from the craft
167	A ship of 6000 gross tons constructed after June 30, 1974, must have a fixed container, or enclosed deck area under or around each fuel oil vent, overflow, and fill pipe. This fixed container, or enclosed deck area must have a capacity of at least _____.	5 gallons	21 gallons	1/2 barrel	1 barrel
168	A shipboard oil pollution emergency plan is required of _____.	all vessels, regardless of size and commercial application	any barge or other ship which is constructed or operated in such a manner that no oil in any form can be carried aboard	an oil tanker of 150 gross tons or above, or other ship of 400 gross tons or above	an oil tanker of 400 gross tons and above, or other ships of 150 gross tons and above

ID #	Question	Choice A	Choice B	Choice C	Choice D
169	A shipmate chokes suddenly, cannot speak, and starts to turn blue. You should _____.	perform the Heimlich maneuver	make the victim lie down with the feet elevated to get blood to the brain	immediately administer CPR	do nothing until the victim becomes unconscious
170	A shipmate suffers a heart attack and stops breathing. You must _____.	administer oxygen	immediately check his pulse and start CPR	make the victim comfortable in a bunk	immediately give a stimulant, by force if necessary
171	A shipmate suffers a heart attack and stops breathing. You must _____.	immediately give a stimulant, by force if necessary	make the victim comfortable in a bunk	administer oxygen	immediately start CPR
172	A ship's low-pressure CO2 fixed fire extinguishing system is normally designed for a storage tank pressure and temperature of approximately _____.	14.7 PSIA and 0 degrees Fahrenheit	150 PSIG and 72 degrees Fahrenheit	300 PSIG and 0 degrees Fahrenheit	1500 PSIG and 72 degrees Fahrenheit
173	A simple precaution to reduce the possibility of accidental fires in the paint locker, is to _____.	label the fixed firefighting system	store paint cans on metal shelves only	not allow oily rags to accumulate in the space	place a portable fire extinguisher immediately outside the locker
174	A slow and easy motion of a MODU in a seaway is an indication of _____.	small 'GM'	low center of gravity	a stiff vessel	large 'GZ'
175	A small fire is reported in the forward cargo hold on a vessel equipped with a combination smoke detection/carbon dioxide fixed fire extinguishing system. After ensuring the space is unoccupied and properly sealed off, you should NEXT _____.	operate the control heads mounted on the main pilot cylinders	close all three-way valve levers that are in the detecting position with the exception of the valve(s) to the involved space	open the three-way valve whose number (on the handle) corresponds with the line index chart number for the space on fire	lock the smoke detector indicator on the monitoring line, which automatically activates the CO2 extinguishing system
176	A solid stream of water is produced by an all-purpose firefighting nozzle when the handle is _____.	pushed all the way forward	pushed forward one notch	pulled halfway back	pulled all the way back
177	A solid stream of water might be useful in fighting a burning oil fire on deck when it is used _____.	to wash burning oil over the side	to provide cooling for the fire fighters	in conjunction with chemical foam	to cool the main deck
178	A specific document which identifies a chemical, and lists its physical properties, health hazards, required controls, firefighting procedures, clean up methods, waste disposal, and the safe handling and storage requirements, is commonly called a _____.	Hazardous Chemical Information Sheet	Physical/Chemical Characteristics Document	Material Safety Data Sheet	Hazardous Chemical Loading Document

ID #	Question	Choice A	Choice B	Choice C	Choice D
179	A squeeze-grip type carbon dioxide portable fire extinguisher has been partially discharged. What is the proper action to take?	The extinguisher should be returned to its proper location for future availability for use regardless of weight.	The extinguisher should be returned to its proper location for future availability for use as long as the weight loss is no more than 15%.	The extinguisher should be replaced with a fully-charged spare and re-charged before it can be available for use.	The extinguisher should be returned to its proper location for future availability for use as long as the weight loss is no more than 25%.
180	A standard procedure for the emergency disinfection of water in a potable water tank is to add a small amount of standard laundry liquid chlorine bleach to the water tank. Approximately how much bleach would be considered appropriate to add to a tank containing 1000 gallons of water?	one pint	one quart	one gallon	two gallons
181	A stiff wind has caused a difference to occur between the port and starboard drafts. This condition is known as _____.	list	heel	trim	flotation
182	A straight stream of water should be used to extinguish _____.	galley grease fires	fuel oil fires	burning bedding materials	a fire in the paint locker
183	A tank has been sealed and unventilated for a long period of time. Which of the following statements is true?	The tank is safe to enter.	The tank is especially dangerous to enter.	Carbon monoxide is present.	Water vapor present when the tank was sealed has oxidized.
184	A tank or compartment is "gas free" when there is an absence of dangerous concentrations of _____.	all flammable liquids	any combustible liquid	flammable or toxic gases	residues from cargo oil
185	A tank or compartment is considered gas free when it is free of dangerous concentrations of _____.	all flammable liquids	any combustible liquid	flammable or toxic gases	all cargo oil
186	A tank ship has 40 gallons of 6% foam concentrate aboard. Approximately how much foam solution can be produced from this supply?	200 gallons	420 gallons	667 gallons	986 gallons
187	A tank vessel with an oil cargo capacity of 5000 barrels is required by regulations to have a fixed container, or enclosed deck area under or around each oil loading manifold and each oil transfer connection point. The capacity of these containment areas is based upon _____.	cargo oil service pressure	inside transfer hose diameter or loading arm nominal pipe size diameter	number of cargo oil tank vents, overflows and fill pipe connections	all of the above
188	A tank which has been sealed for a long period of time can be dangerous because _____.	steel surfaces consume oxygen by rusting	sealed tanks usually form a vacuum	moisture condenses in the tank, displacing the oxygen	most tank coatings give off poisonous vapors in the presence of moisture

ID #	Question	Choice A	Choice B	Choice C	Choice D
189	A three inch overboard discharge line, located six feet below the waterline, has ruptured and separated from the hull. What would be the minimum number of strokes per minute required from a 10" x 8" x 11" duplex double acting reciprocating bilge pump, operating at 93% efficiency, to keep the bilge level from continuing to rise?	45 strokes per minute	56 strokes per minute	87 strokes per minute	98 strokes per minute
190	A three inch overboard discharge line, located six feet below the waterline, has ruptured and separated from the hull. What would be the minimum number of strokes per minute required from a 8" x 10" x 12" duplex double acting reciprocating bilge pump, operating at 96% efficiency, to keep the bilge level from continuing to rise?	45 strokes per minute	56 strokes per minute	87 strokes per minute	98 strokes per minute
191	A three inch overboard discharge line, located six feet below the waterline, has ruptured and separated from the hull. What would be the minimum number of strokes per minute required from a 8" x 12" x 12" duplex double acting reciprocating bilge pump, operating at 82% efficiency, to keep the bilge level from continuing to rise?	45 strokes per minute	56 strokes per minute	87 strokes per minute	98 strokes per minute
192	A three inch overboard discharge line, located six feet below the waterline, has ruptured and separated from the hull. What would be the minimum number of strokes per minute required from a 10" x 8" x 12" duplex double acting reciprocating bilge pump, operating at 96% efficiency, to keep the bilge water level from continuing to rise?	45 strokes per minute	56 strokes per minute	87 strokes per minute	98 strokes per minute
193	A tourniquet should be used to control bleeding only _____.	with puncture wounds	when all other means have failed	when the victim is unconscious	to prevent bleeding from minor wounds
194	A tubular type of device designed to prevent the passage of flames into an enclosed space is commonly called a _____.	'flame relief valve'	'flame stopper'	'safety valve'	'flame arrester'
195	A vapor sample is drawn into the combustible gas indicator shown in the illustration. The needle deflects to the explosive range of the scale and then returns to rest at 20%. What does this indicate?	The indicator is improperly calibrated.	The concentration of combustible vapor in the sample is twenty percent.	The concentration of combustible vapor in the sample is twenty percent of its lower explosive limit.	The concentration of combustible vapor in the sample is above the upper explosive limit.
196	A vessel carries a total of ten B-II CO2 fire extinguishers. How many spare extinguishers must the vessel carry?	0	1	5	10

ID #	Question	Choice A	Choice B	Choice C	Choice D
197	A vessel has eight B-II CO2 fire extinguishers. How many spare extinguishers must the vessel carry?	0	1	2	4
198	A vessel has eight B-II CO2 fire extinguishers. How many spare units must the vessel carry?	1	2	4	8
199	A vessel having a concentration of weight toward the top of the vessel is said to be _____.	stiff	tender	buoyant	neutral
200	A vessel heading ENE is on a course of _____.	022.5°	045.0°	067.5°	090.0°
201	A vessel heading ESE is on a course of _____.	112.5°	135.0°	157.5°	180.0°
202	A vessel heading NE is on a course of _____.	022.5°	045.0°	067.5°	090.0°
203	A vessel heading NNE is on a course of _____.	022.5°	045.0°	067.5°	090.0°
204	A vessel heading NNW is on a course of _____.	274.5°	292.0°	315.5°	337.5°
205	A vessel heading NW is on a course of _____.	274.5°	292.0°	315.5°	337.5°
206	A vessel heading SE is on a course of _____.	112.5°	135.0°	157.5°	180.0°
207	A vessel heading SSE is on a course of _____.	112.5°	135.0°	157.5°	180.0°
208	A vessel heading SSW is on a course of _____.	202.5°	225.0°	247.5°	270.5°
209	A vessel heading SW is on a course of _____.	202.5°	225.0°	247.5°	270.5°
210	A vessel heading WSW is on a course of _____.	202.5°	225.0°	247.5°	271.0°
211	A vessel is subjected to 'hogging' when it _____.	has its main deck under compressive stress	has its bottom plating under tensile stress	is supported on a wave whose crests are at the bow and stern	is supported on a wave whose crest is amidships
212	A vessel over 100 gross tons in coastwise service is to deballast its fuel tanks to a facility while in port. This vessel must have a/an _____.	deballasting pump which is independent of the ballasting pump	stop-check valve located at the pump discharge	oil and water separator to retain oily waste in a holding tank	adapter or shore connection made in accordance with 33 CFR Part 155
213	A vessel should normally behave as if all of its weight is acting downward through the center of gravity and all of its support is acting upward through the _____.	keel	center of buoyancy	tipping center	amidships section
214	A vessel trimmed down by the bow has _____.	a greater draft forward than aft	zero trim	a low mean draft	a greater draft aft than forward

ID #	Question	Choice A	Choice B	Choice C	Choice D
215	A vessel which has been holed as shown in the illustration, will probably _____.	flood until a state of equilibrium is reached	reduce transverse stability	result in a loss of reserve buoyancy	all of the above
216	A vessel which is subjected to 'hogging' _____.	has its main deck under compressive stress	has its main deck plating under tensile stress	has its bottom plate under tensile stress	has its bottom plating under ductile stress
217	A vessel which is subjected to 'hogging' has its _____.	main deck under compressive stress	main deck plating under tensile stress	bottom plate under shearing stress	bottom and deck plating under compressive stress
218	A vessel which is subjected to 'sagging' _____.	has its main deck under tensile stress	has its bottom plating under tensile stress	is supported on a wave whose crest is amidships	is said to be under a form of transverse bending
219	A vessel whose fuel tanks are half full is subject to _____.	free surface effect	serious loss of reserve buoyancy	severe sagging	severe hogging
220	A vessel would most likely develop a list if you were _____.	burning fuel from a centerline tank	using water from two equally sized tanks on either side of the centerline simultaneously	using fuel from tanks on the port side only	using water from the fore peak tank
221	A vessel's center of gravity is lowered when the _____.	freeboard is increased	tanks are ballasted	reserve buoyancy increases	trim is increased
222	A vessel's stability is greatly reduced by liquid free surface. Which of the listed conditions would develop the greatest adverse effect?	Tanks which are 95% full.	Tanks which have been pressed up to full capacity.	Tanks which have been completely emptied.	Tanks which are 40% full.
223	A vessel's stability normally increases when tanks are ballasted because the vessel's _____.	center of gravity is lowered	center of buoyancy is lowered	reserve buoyancy is increased	freeboard is increased
224	A victim has suffered a second degree burn to a small area of the lower arm. Which of the following statements represents the proper treatment for this injury?	Immerse the arm in cool water for 1 to 2 hours, apply burn ointment, and bandage.	Open any blisters with a sterile needle, apply burn ointment, and bandage.	Apply burn ointment, remove any foreign material, and insure that nothing is in contact with the burn.	Immerse the arm in cold water for 1 to 2 hours, open any blister, and apply burn ointment.
225	A victim is coughing and wheezing from a partial obstruction of the airway. An observer should _____.	perform the Heimlich maneuver	immediately start CPR	give back blows and something to drink	allow the person to continue coughing and dislodge the obstruction on his own
226	A virtual rise in the center of gravity of a MODU may be caused by _____.	filling a partially filled tank	using fuel from a pressed fuel tank	emptying a partially filled tank	transferring pipe from the setback area to the pipe rack
227	A virtual rise in the center of gravity of a MODU may be caused by _____.	filling a partially filled tank	using an onboard crane to lift a freely swinging heavy object	emptying a partially filled tank	transferring pipe from the setback area to the pipe rack

ID #	Question	Choice A	Choice B	Choice C	Choice D
228	A weather tight door on a MODU must not allow water to penetrate into the unit _____.	in 50 knot winds	in 70 knot winds	in 100 knot winds	in any sea condition
229	A written document identifying chemical material, listing its physical properties, describing health hazards, required controls, correct procedures for firefighting, spill or leak cleanup, waste disposal, and the safe handling and storage of the material, is called an _____.	HCIS	MSDS	PELS	PPES
230	Aboard a MODU, a CO2 fire extinguisher must be weighed _____.	monthly	quarterly	semiannually	annually
231	Aboard a survival craft, ether can be used to _____.	start the engine in cold weather	aid in helping personnel breathe	prime the sprinkler system	prime the air supply
232	According to the Pollution Prevention Regulations, a tank vessel with a total capacity of over 250,000 barrels of cargo oil, having two loading arms with a nominal pipe size diameter of 10 inches, must have under each loading manifold a fixed container or an enclosed deck area having a minimum capacity of _____.	126 gallons	168 gallons	252 gallons	491 gallons
233	According to 33 CFR Part 151, a vessel sailing through specific "special areas" may discharge or dispose of _____.	incinerated ash at anytime	fairly dense material that will sink, i.e. metal cans or glass bottles at anytime	victual waste when at least 12 nautical miles from shore	absolutely no garbage at anytime
234	According to 33 CFR Part 151, all tank ships of 150 GT and above and all other ships of 400 GT and above, are required to prepare and maintain a USCG approved _____.	synthetic plastic discharge plan	oil discharge plan	shipboard oil pollution emergency plan	vapor recovery procedures plan
235	According to 33 CFR Part 151, shipboard oil pollution emergency plans must be reviewed _____.	annually by the owner and a letter submitted six months prior to expiration	only once every five years and a letter submitted six months prior to expiration	and the entire plan resubmitted for approval once every five years, six months prior to expiration	annually by the owner and submit a letter to the Coast Guard within one month of the anniversary date of the plan approval
236	According to 33 CFR Part 151, when off loading garbage to another ship, your records must identify the ships name and _____.	overall length	operator's name of record	ships official number	records kept onboard for three years

ID #	Question	Choice A	Choice B	Choice C	Choice D
237	According to 33 CFR Part 151, which of the following is NOT required to be provided as part of the appendixes of the Shipboard Oil Pollution Emergency Plan?	a list of agencies or officials of Coastal State administrations responsible for receiving and processing incident reports	a list of agencies or officials in regularly visited ports.	a list which specifies who will be responsible for informing the parties listed and the priority in which they must be notified.	a list of personnel duty assignments
238	According to 33 CFR Part 155, a 1500 gross ton freight vessel, with a keel laid in 1969, must have a fuel oil discharge containment for the fuel tank vents. This containment must consist of _____.	self-closing scupper drains	portable containers of at least 5 U.S. gallon capacity	20 inch high coamings	a container with a capacity of 3 barrels if it serves one or more vents; each with an inside diameter of 3 inches or more
239	According to 33 CFR Part 155, to prevent the overflow of cargo tanks due to thermal expansion, to what is the maximum level that cargo tanks are allowed to be filled for topping-off purposes?	to a level corresponding to the bottom of the expansion trunk	to a level corresponding to 98.5 % of the cargo tank volume	to a level corresponding to 1 to 3 inches from the tank top	to a level corresponding to 1 to 3 inches from top of the vent pipe
240	According to 33 CFR Part 156, during annual inspection, each nonmetallic oil transfer hose which is tested, must not burst, bulge, leak, or abnormally distort under a static liquid pressure of _____.	100 pounds	the pressure of the relief valve setting	the pressure applied by the shore side pump	1 1/2 times the maximum allowable working pressure
241	According to 33 CFR Part 156, each pressure gage used in an oil transfer operation must be accurate to within _____.	1 percent	3 percent	5 percent	10 percent
242	According to 33 CFR Part 156, no person may serve as the person-in-charge of oil transfer operations on more than one vessel at a time _____.	under any circumstances	unless authorized by the Captain of the Port	unless radio communication is set up between the vessels	unless the vessels are moored clear of all docks
243	According to 33 CFR, records of garbage disposal are required to be maintained _____.	until each quadrennial Coast Guard inspection	until the end of each voyage	for a minimum of one year	for a minimum of two years
244	According to 33 CFR's, an oceangoing ship of over 400 gross tons must be fitted with a standard discharge shore connection. What size bolt circle diameter is required for this shore connection to transfer oily ballast to a shore side reception facility?	125 mm	183 mm	215 mm	250 mm
245	According to 33 CFR's, the approval period for a shipboard oil pollution emergency plan expires after _____.	one year	two years	four years	five years

ID #	Question	Choice A	Choice B	Choice C	Choice D
246	According to 46 CFR Part 108, when fire pumps are used for purposes other than firefighting service, each pipe connection to the other service (except for branch lines used for deck washing) must have a _____.	check valve installed in the line	shut off valve at a manifold near the pump	quick disconnect union within ten feet of the pump	regulator in the line set at 125 psi
247	According to 46 CFR Part 147, a cylinder used for storing CO2 in a fixed firefighting system must be hydrostatically retested and re-stamped every _____.	once in every calendar year	5 years	8 years	12 years
248	According to 46 CFR Part 153, each inert gas system must be capable of maintaining a minimum gas pressure of _____.	0.5 psig	1.0 psig	3.0 psig	14.7 psig
249	According to 46 CFR Part 199, emergency signals for use on passenger vessels are to be conspicuously posted and listed _____.	on the Emergency Instructions Cabin Poster	at each Muster Station	at normally occupied spaces	All of the above
250	According to 46 CFR Part 199, on a cargo vessel, fire and boat drills must be held within 24 hours of leaving port if the percentage of the crew replaced is more than _____.	5%	10%	25%	40%
251	According to 46 CFR Part 199, the maximum lowering speed for a lifeboat on gravity davits must not be more than _____.	70 feet per minute	114 feet per minute	256 feet per minute	500 feet per minute
252	According to 46 CFR Part 32, a cargo pump driven by an internal combustion engine on the weather deck must have _____.	one remote manual shutdown station	two remote manual shutdown stations located fore and aft	three remote manual shutdown stations located fore, aft, and at the midpoint	four remote manual shutdown stations located fore, aft, port side midpoint, and starboard side midpoint
253	According to 46 CFR Part 35, containers which exceed a capacity of five gallons and contain flammable liquids and gases other than diesel fuel, must be stowed _____.	in containers labeled in accordance with ABS requirements for flammable liquids and gases	on or above the weather deck in locations designated by the master	below the weather deck in a paint or lamp locker	on the lowest level of the engine room in locations designated by the chief engineer
254	According to 46 CFR Part 76, which of the following statements is true regarding sprinkler heads which are normally activated by the melting of a fusible link?	Sprinkler heads installed in the living spaces would have a higher melting point fusible link than those installed in the galley.	Sprinkler heads installed in the galley would have a higher melting point fusible link than those installed in the living spaces.	Sprinkler heads installed in the galley and living spaces would have the same fusible link melting point.	None of the above; sprinkler heads with fusible links are prohibited aboard U.S. flag vessels.

ID #	Question	Choice A	Choice B	Choice C	Choice D
255	According to 46 CFR Part 95, a fixed CO2 fire fighting system which contains a maximum of 2450 pounds of carbon dioxide to be maintained aboard the vessel, the minimum nominal pipe size of the fixed system branch lines to the various spaces must be _____.	1.5 inches	2 inches	2.5 inches	3 inches
256	According to 46 CFR Part 95, automatic mechanical ventilation shutdown is required for CO2 systems protecting the vessels _____.	machinery spaces	cargo compartments	living quarters	storerooms
257	According to 46 CFR part 95, each shipboard fire hydrant is required to have at least one spanner wrench, one length of fire hose and one _____.	hose stowage rack	hand-portable extinguisher	foam applicator	pick ax
258	According to 46 CFR Part 95, the carbon dioxide cylinders of a fixed fire extinguishing system may be located inside the protected space if the quantity of CO2 required to protect that space is not more than _____.	300 pounds	400 pounds	500 pounds	600 pounds
259	According to 46 CFR Part 95, which of the following statements is FALSE concerning the regulations pertaining to the carbon dioxide cylinder room for a CO2 fixed fire extinguishing system?	The compartment must be properly ventilated.	The ambient temperature of the room should never be allowed to exceed 130 degrees Fahrenheit.	The door must be kept unlocked.	The compartment shall be clearly identified and marked.
260	According to 46 CFR part 95, which of the listed fire extinguishers would be considered hand portable/semi portable and capable of combating a class "B" fire?	2.5 gallons of foam	20 pounds of dry chemical	35 pounds of carbon dioxide	All of the above
261	According to 46 CFR part 95, which of the listed fire extinguishers would be considered hand portable and capable of combating a class "B" fire?	2.5 gallons of foam	10 pounds of dry chemical	15 pounds of carbon dioxide	All of the above
262	According to 46 CFR Part 96, the recommended equipment for fireman's outfit includes a lifeline. The lifeline should be _____.	made of steel or bronze wire rope	a minimum of 1 inch diameter	new nylon rope	a minimum of 25 feet in length
263	According to 46 CFR, a single layer of tank vent flame screen must be composed of corrosion resistant wire and at least a mesh of _____.	8 x 8	10 x 10	20 x 20	30 x 30
264	According to 46 CFR, the float free link attached to a sea painter on a life raft shall have a breaking strength of _____.	100-134 lbs for buoyant apparatus with a capacity of 10 persons or less	200-268 lbs for buoyant apparatus with a capacity of 11 to 20 persons	400-536 lbs for buoyant apparatus with a capacity of 21 persons or more	All of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
265	According to 46 CFR's Part 199, for each passenger vessel normally operating above 32 degrees north latitude, the minimum number of immersion suits to be carried for each lifeboat is at least _____.	1	2	3	4
266	According to 46 CFR's Part 96, what is the minimum period of time that an approved self-contained breathing apparatus (SCBA) is required to provide an air supply?	10 minutes	15 minutes	30 minutes	60 minutes
267	According to 46 CFR's, a fixed foam system aboard a tank vessel constructed in 1968, must be designed to supply foam for a minimum of _____.	3 minutes	7 minutes	12 minutes	15 minutes
268	According to 46 CFR's, a ships fire main system must have enough fire hydrants for each accessible space to be reached with _____.	a low velocity spray applicator	a water spray or solid stream	at least two streams of water from separate outlets	at least 25 psi delivered pressure
269	According to 46 CFR's, all mariners directly involved in a "Serious Marine Incident" are prohibited from consuming alcohol until alcohol testing has been performed or _____.	2 hours following the incident	4 hours following the incident	6 hours following the incident	8 hours following the incident
270	According to 46 CFR's, all mariners directly involved in a "Serious Marine Incident" are required to submit a urine specimen for screening of dangerous drug use within _____.	2 hours	12 hours	24 hours	32 hours
271	According to 46 CFR's, all mariners directly involved in a "Serious Marine Incident" are required to submit to alcohol testing within _____.	2 hours following the incident	12 hours following the incident	24 hours following the incident	32 hours following the incident
272	According to 46 CFR's, besides analyzing a mariner's breath for alcohol, what other specimen would be acceptable for alcohol level testing following a "Serious Marine Incident"?	Saliva	Skin	Hair	Cuticle
273	According to 46 CFR's, what accident situation on a vessel would be considered by the Coast Guard as a "Serious Marine Incident"?	An injury to a crew member which renders that person unfit to perform routine vessel duties and requires professional medical treatment.	Damage to property in excess of \$100,000.	A discharge of 10,000 gallons or more of oil into navigable waters of the U.S.	All of the above.

ID #	Question	Choice A	Choice B	Choice C	Choice D
274	According to CFR 91.25-20, the performance of annual preventive maintenance on the fire extinguisher illustrated, by the vessel's crew, would include what item?	oiling the hinge on piece No. 3	examining seal on cylinder piece No. 4	renewing handle return spring in piece No. 1	hydrostatically testing piece No. 6
275	According to CFRs, how many emergency outfits are required to be carried onboard all tank ships over 1,000 gross tons?	One emergency outfit	Two emergency outfits	Three emergency outfits	Four emergency outfits
276	According to CFRs, open tank hatches from tanks which are not gas free, and unattended, must be protected by _____.	flame screens	warning signs	P.V. valves	stop-check valves
277	According to Coast Guard Pollution Prevention Regulations (33 CFR), each hose assembly used for transferring oil must have a _____.	minimum design burst pressure of at least 250 psi	minimum burst pressure of at least two times the sum of the relief valve pressure plus the static head pressure of the oil transfer system where the hose is installed	maximum allowable working pressure (MAWP) for each hose assembly must be more than the sum of the relief valve setting plus the static head pressure of the transfer system, where the hose is installed.	distinct marking on the female end to identify the manufacturer of the hose
278	According to Coast Guard Regulations (33 CFR), a "suspension order" to suspend oil transfer operations can be withdrawn by the appropriate _____.	Captain of the Port	Officer-In-Charge, Marine Inspection	District Commander	all of the above
279	According to Coast Guard regulations (33 CFR), which of the following describes items pertinent to waste management plans?	A description of the vessel's procedure for collecting, processing, storing and discharging garbage shall be provided.	The plan will include the responsibilities of all personnel required to assist in the collection of garbage onboard the vessel.	If the vessel is over forty feet in length, the plan shall be submitted in writing to the Officer In Charge of Marine Inspection.	No official plan in writing is required; however, all established routines shall continue to be adhered to and followed.
280	According to Coast Guard Regulations (46 CFR Part 199), all United States merchant vessels are required to have muster lists to be posted _____.	on the navigating bridge	in the engine room	in the crew accommodation spaces	all of the above
281	According to Coast Guard Regulations (46 CFR Part 35), a pressure-demand, open circuit, self contained breathing apparatus (SCBA) shall have a minimum of how many minutes air supply.	30	45	60	90

ID #	Question	Choice A	Choice B	Choice C	Choice D
282	According to Coast Guard Regulations (46 CFR Part 92), a bulkhead capable of preventing the passage of smoke and flame for one hour would be classified as a/an _____.	A-60	B-60	C-60	D-60
283	According to Coast Guard Regulations (46 CFR Part 95.50), how many B-II hand portable fire extinguishers are required in a space containing two 4000 bhp main propulsion diesel engines?	Two	Four	Six	Eight
284	According to Coast Guard Regulations (46 CFR) for uninspected vessels, all hand portable fire extinguishers must be approved by the _____.	American Bureau of Shipping	National Fire Protection Association	National Cargo Gear Bureau	U.S. Coast Guard
285	According to Coast Guard Regulations (46 CFR), a 10 pound dry chemical extinguisher is equivalent to a _____.	15 pound (6.8 kg) CO2 fire extinguisher	1 3/4 gallon (6.6 liter) foam	35 pound (15.8 kg) CO2 fire extinguisher	12 gallon (45 liter) foam
286	According to Coast Guard Regulations (46 CFR), a 299 gross ton 2800 horsepower uninspected motor towing vessel would require _____.	three hand portable B-II fire extinguishers	five hand portable B-II fire extinguishers	six hand portable B-II fire extinguishers	nine hand portable B-II fire extinguishers
287	According to Coast Guard regulations (46 CFR), a fire door that is held open by magnets may be found in the _____.	stairway enclosure	wheelhouse	engine room	All of the above
288	According to Coast Guard regulations (46 CFR), A fire door that is held open by magnets may be found in the _____.	wheelhouse	galley	engine room	stairway enclosure
289	According to Coast Guard Regulations (46 CFR), a flammable liquid with a Reid vapor pressure of 8 1/2 psi or less, and a flash point of 80°F or below, is a grade _____.	A	C	D	E
290	According to Coast Guard Regulations (46 CFR), all exposed and dangerous areas around machinery, such as gears and rotating parts, shall be properly protected with _____.	covers	guards	rails	any of the above
291	According to Coast Guard Regulations (46 CFR), each fire hydrant must have at least _____.	one length of fire hose with an approved nozzle	a spanner wrench	a hose rack or other device for stowing hose	all of the above
292	According to Coast Guard Regulations (46 CFR), fire main cut out valves shall be sealed open at all times except when the _____.	fire main is in actual use	fire main is drained in freezing weather	fire pump is secured	fire main is being used for wash down purposes
293	According to Coast Guard Regulations (46 CFR), how many 15 pound carbon dioxide fire extinguishers are required to be installed in a machinery space containing an 8,000 horsepower main propulsion diesel engine?	Four	Six	Eight	Ten

ID #	Question	Choice A	Choice B	Choice C	Choice D
294	According to Coast Guard Regulations (46 CFR), no vessel can come alongside or remain alongside a tank vessel while it is loading A, B, or C grade cargo without having the permission of the _____.	officer-in-charge of the vessel which is loading	USCG captain of the port	terminal manager	tank ship owner
295	According to Coast Guard Regulations (46 CFR), on a freight vessel, each fire pump must be capable of supplying the two highest outlets simultaneously, at a Pitot tube pressure of _____.	50 psi	75 psi	125 psi	the pump relief valve setting
296	According to Coast Guard Regulations (46 CFR), portable and semi-portable fire extinguishers are classified by a letter and numeric designator. The letter designation indicates _____.	whether this type of extinguisher is to be used on deck or in machinery spaces	the size of the extinguisher	the type of extinguishing agent	the type of fire the unit could be expected to extinguish
297	According to Coast Guard Regulations (46 CFR), pump room ventilation on a U.S. flag tanker may be accomplished by _____.	steam or air actuated gas ejectors	power blowers	natural ventilators	all of the above
298	According to Coast Guard Regulations (46 CFR), the fuel tanks of motor-propelled lifeboats shall be _____.	emptied and gas freed when the ship is dry-docked	constructed so as to be completely spill proof	hydrostatically tested at each inspection for certification	emptied and the fuel changed at least once each year
299	According to Coast Guard Regulations (46 CFR), the piping, valves, and fittings for a fixed CO2 fire extinguishing system shall have a bursting pressure of not less than _____.	2000 psi (13.8 MPa)	2800 psi (19.3 MPa)	4000 psi (27.5 MPa)	6000 psi (41.1 MPa)
300	According to Coast Guard Regulations (46 CFR), the type of fire hose coupling threads required for vessel fire equipment, on or after July 1, 1954, shall be _____.	ABS standard	U.L. standard	American standard	National standard
301	According to Coast Guard Regulations (46 CFR), when loading, or discharging oil in bulk at a dock, which of the following signals must be displayed?	A red flag (day), red light (night)	A yellow flag (day), red light (night)	A green flag (day), green light (night)	A signal is not required for discharging oil, only gasoline
302	According to Coast Guard Regulations (46 CFR), which of the firefighting devices listed is not permitted for use in the engine room?	Any rubber lined hose	Semi-portable CO2 fire extinguishers	Combination nozzles	Eight foot applicators

ID #	Question	Choice A	Choice B	Choice C	Choice D
303	According to Coast Guard Regulations (46 CFR), which of the following conditions is true concerning the construction and/or operation of pressure-vacuum relief valves?	Valve bodies, discs, spindles, and seats must all be made of bronze or a corrosion resistant material.	Pressure-vacuum valves for cargo tanks shall not be less than 2 inches nominal pipe size.	Where springs are employed to actuate the valve discs, the springs are to be either plated or fabricated of a corrosion resistant material.	The design and construction of the valves is such that they must be removed for overhauling, insuring there will be no vent blockage which could occur during a repair period.
304	According to Coast Guard Regulations (46 CFR), which of the following statements is true concerning fixed carbon dioxide fire extinguishing systems?	The space containing the cylinders shall be properly ventilated and designed to preclude an ambient temperature in excess of 100°F (37.78°C)	The cylinders which are fitted with flexible or bent siphon tubes may be inclined not more than 30° from the vertical.	All cylinders used for storing carbon dioxide shall be fabricated, tested, and marked in accordance with the applicable section of the American Welding Society code.	The cylinders may be located within the space protected provided the system consists of not more than 300 pounds (136.1 kg) of carbon dioxide.
305	According to Coast Guard Regulations (46 CFR), which of the listed CO2 (carbon dioxide) fire extinguishers by size is classified as B-II?	5 lbs (2.27 kg)	15 lbs (6.81 kg)	25 lbs (11.35 kg)	35 lbs (15.89 kg)
306	According to Coast Guard regulations (CFR 33), the shipboard oil pollution emergency plan must include _____.	all information ordinarily provided in the oil record book	an explanation and purpose of this plan	a one-line schematic of the plan to be implemented	the operating instructions for any and all oily-water separators installed aboard the vessel
307	According to Code of Federal Regulations (33 CFR 151), who is responsible for insuring that a ship is not operated unless a waste management plan is utilized?	U.S. Coast Guard	Vessel's Master	Vessel owner	Vessel operating company
308	According to Code of Federal Regulations (33 Part 151), pertaining to the discharge of plastic or garbage mixed with plastic, what statement is true?	The discharge of plastic and plastic mixed with garbage into any waters is prohibited.	The discharge of plastic and plastic mixed with garbage into waters beyond three nautical miles from the nearest land is permitted.	The discharge of plastic and plastic mixed with garbage into waters beyond 12 nautical miles from the nearest land is permitted.	The discharge of plastic and plastic mixed with garbage into waters beyond 25 nautical miles from the nearest land is permitted.

ID #	Question	Choice A	Choice B	Choice C	Choice D
309	According to Code of Federal Regulations (33 Part 151), which of the following statements is accurate concerning the discharge of garbage?	The discharge of plastic or garbage mixed with plastic into any waters is permitted.	The discharge of dunnage, lining, and packing materials that do not float is prohibited within 25 nautical miles of the nearest land.	The discharge of all garbage is prohibited in the navigable waters of the United States and in all other waters within three nautical miles of the nearest land.	All of the above are correct.
310	According to Code of Federal Regulations 33, a vessel operating upon the Great Lakes shall _____.	not discharge any garbage into these waters	be required to re-distill all water used for cooling or condensate systems	have its forward most frame members sufficiently stiffened to prevent ice damage	be certified for inland use only
311	According to Code of Federal Regulations 33, grinders or comminutors used for the discharge of garbage between 3 and 12 nautical miles from the nearest land must be _____.	provided with flush back capabilities insuring the passage of all ground particles through a final control element	provided on all vessels that may operate on the Great Lakes and shall discharge under the highest load line of the vessel	capable of reducing the size of garbage so that it will pass through a screen with openings no greater than 25 millimeters	capable of processing all garbage generated onboard the vessel including all deck and engine department refuse
312	According to Federal Regulations, a confined or enclosed space on a ship which is being prepared for "HOT WORK", should be inspected, tested and designated "NOT SAFE FOR HOT WORK" if _____.	oxygen content is 21%	concentration of flammable vapors in the atmosphere is 5% of the L.E.L.	adjacent spaces have not been inspected for combustible materials and possible spread of fire	all of the above
313	According to Federal Regulations, a confined or enclosed space on a ship which is being prepared for "HOT WORK", should be inspected, tested and designated "NOT SAFE FOR HOT WORK" if _____.	oxygen content is above 22%	concentration of flammable vapors in the atmosphere is 10% or more of the L.E.L.	adjacent spaces have not been inspected for combustible materials and possible spread of fire	all of the above
314	According to Federal Regulations, a confined or enclosed space on a ship which is being prepared for "HOT WORK", should be inspected, tested and designated "SAFE FOR HOT WORK" if _____.	oxygen content is below 22%	concentration of flammable vapors in the atmosphere is less than 10% of the L.E.L.	adjacent spaces have been inspected for combustible materials and possible spread of fire	all of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
315	According to Federal Regulations, a confined or enclosed space that is being prepared for crew members to enter, should be tested and designated "NOT SAFE FOR WORKERS" if the oxygen content of the atmosphere in the compartment is LESS than ____.	13.5%	15.5%	17.5%	19.5%
316	According to MARPOL, the definition of gray water includes drainage from _____.	toilets	hospital sinks	cargo spaces	dishwashers
317	According to MARPOL, the definition of medical waste does NOT include _____.	pathological wastes	sharps	expired pharmaceuticals	dialysis wastes
318	According to MARPOL, the definition of oil does NOT include _____.	cooking oil	crude oil	sludge	oil refuse
319	According to Pollution Prevention Regulations (33 CFR Part 154), the pump being used for cargo transfer has a relief valve setting of 65 psi and a static head of 10 feet. The vessel's cargo hose used for the transfer must have a maximum allowable working pressure of at least _____.	55 psi	65 psi	75 psi	98 psi
320	According to Pollution Prevention Regulations (33 CFR), a vessel built in 1977 with a gross registered tonnage of 219 tons, must _____.	use one gallon portable containers under tank vents when fueling	use an automatic back pressure shut off nozzle when fueling	use a fixed container or enclosed deck area under or around each lube oil tank vent when fueling	fill fuel tanks forward of the collision bulkhead first
321	According to Pollution Prevention Regulations (33 CFR), how much hose should you use in transferring oil in bulk?	Twice the distance between ship and dock.	One and one half times the distance between ship and dock.	Not over 300 feet (91.4 m) of hose.	Sufficient for maximum vessel movement without straining the hoses.
322	According to Pollution Prevention Regulations (33 CFR), if a cargo hose shows a small leak in its fabric, you may transfer oil after _____.	the terminal foreman is notified	the hose is replaced	the hose leak is securely wrapped	a drip pan is placed under the leak
323	According to Pollution Prevention Regulations (33 CFR), no person may transfer oil to or from a vessel unless _____.	each hose is supported in a manner that prevents strain on its coupling	each part of the transfer system necessary to allow the flow of oil is lined up for transfer	each oil transfer hose has no loose covers, kinks, bulges, or soft spots, and no gouges, cuts or slashes that penetrate the hose reinforcement	All of the above.

ID #	Question	Choice A	Choice B	Choice C	Choice D
324	According to Pollution Prevention Regulations (33 CFR), no person may connect or disconnect an oil transfer hose or engage in any other critical oil transfer operation on a tank vessel unless _____.	the designated person-in-charge supervises that procedure	that person holds a tankerman assistant endorsement	that person holds a license as master, mate, or engineer	that person holds a valid port security card
325	According to Pollution Prevention Regulations (33 CFR), tank vessels are required to have a means of emergency shutdown. This device _____.	shuts off the main propulsion plant	shuts off the firefighting foam systems	stops the flow of oil to shore facility or other vessel	secures electrical power to all motors
326	According to Pollution Prevention Regulations (33 CFR), the "Discharge of Oil Prohibited" placard is required on all _____.	foreign vessels not in U.S. navigable waters	U.S. Vessels 26 feet or more in length	Foreign vessels when engaged in noncommercial service	U.S. vessels less than 26 feet in length
327	According to Pollution Prevention Regulations (33 CFR), the maximum allowable working pressure (MAWP) for each hose assembly used for transferring oil must be _____.	at least 600 psi (4.14 MPa)	more than the sum of the pressure of the relief valve setting	at least four times the sum for the pressure of the relief valve setting	more than the maximum pump pressure when a relief valve is not installed
328	According to Pollution Prevention Regulations (33 CFR), the minimum number of bolts permitted in an ANSI standard flange on an oil hose is _____.	three	four	six	nine
329	According to Pollution Prevention Regulations (33 CFR), the pump being used for cargo transfer has a relief valve setting of 65 psi and a static head of 10 feet. The vessel's cargo hose used for the transfer must have a maximum allowable working pressure of at least _____.	55 psi	98 psi	at least four times the sum for the pressure of the relief valve setting plus static head pressure	at least more than the sum of the pressure of the relief valve setting plus the static head pressure
330	According to Pollution Prevention Regulations (33 CFR), when may a person serve as the person-in-charge of both a vessel and a facility during oil transfer operations?	When authorized by the Captain of the Port.	When licensed as a certified refueling officer.	Whenever the vessel is short of manpower.	Whenever the facility is unmanned.
331	According to Pollution Prevention Regulations (33 CFR), you are required to test cargo discharge piping every _____.	6 months	12 months	18 months	24 months
332	According to regulations, the capacity of a life raft is required to be marked _____.	on the Muster List ("Station Bill")	on a sign next to the life raft	on the Certificate of Inspection	in the Operations Manual
333	According to regulations, the master or person-in-charge of a MODU is required to submit a report of a loss of life _____.	only when it happens while underway	to the next of kin	to the nearest Marine Safety or Marine Inspection Office	to the nearest coroner
334	According to regulations, the master or person-in-charge of a MODU is required to submit a report of a loss of life _____.	only when it happens while underway	to the next of kin	to the nearest OCMI	to the nearest coroner

ID #	Question	Choice A	Choice B	Choice C	Choice D
335	According to the Coast Guard Pollution Prevention Regulations (33 CFR Part 155), which of the following statements is correct regarding the fuel oil containment around loading manifolds?	They may be fixed or portable, depending upon the age of the vessel.	The containment drains must have quick-closing valves to be closed in the event of leakage or failure of any part of the transfer connection.	All containment drains must lead to a common fixed drain tank.	Containment drains are prohibited from leading to a common tank.
336	According to the Coast Guard Pollution Prevention Regulations (33 CFR), a 299 gross ton uninspected motor towing vessel, not equipped with an oily water separator, is required to have how many outlets accessible from the weather deck to discharge oily bilge slops?	One	Two (port and starboard)	Three (port, starboard, and aft)	Two (fore and aft)
337	According to the Coast Guard Pollution Prevention Regulations (33 CFR), no person may transfer oil to or from a vessel unless _____.	each part of the transfer system not necessary for the transfer operation is securely blanked or shut off	the discharge containment is in place	each scupper or drain in a discharge containment system is closed	all of the above
338	According to the Coast Guard Pollution Prevention Regulations (33 CFR), the oil transfer procedures required for an uninspected towing or fishing industry vessel should _____.	give a schedule for inspection of valves as required in 155.410	give a description of the oily water separator required in 155.380	be permanently posted or available at the fueling station	include a copy of the Certificate of Inspection of the towing or fishing vessel
339	According to the Coast Guard Pollution Prevention Regulations (33 CFR), what is the minimum number of bolts required in a temporarily connected standard ANSI coupling?	2 bolts	4 bolts	6 bolts	8 bolts
340	According to the Pollution Prevention Regulations (33 CFR Part 156), which of the following conditions would disqualify a nonmetallic hose as being suitable for use in transferring oil?	A small cut in the hose cover which just pierces the reinforcement.	An slight oil seepage between the hose and flange connection.	Evidence of internal or external deterioration.	All of the above.
341	According to the Pollution Prevention Regulations (33 CFR), no person may transfer oil to or from a vessel unless each person in charge has signed the _____.	oil record book	certificate of inspection	valve inspection record	declaration of inspection
342	According to the Pollution Prevention Regulations (33 CFR), no person may use a connection for oil transfer operations unless it is a bolted or full threaded connection, or _____.	an automatic back pressure shut off nozzle is used to fuel the vessel	a clamped or compression fitted connection	a quick connection coupling approved by the American Petroleum Institute	a connection not over six inches in diameter

ID #	Question	Choice A	Choice B	Choice C	Choice D
343	According to the Pollution Prevention Regulations (33 CFR), the declaration of inspection is the _____.	paper issued by the Coast Guard marine inspector which allows you to conduct a transfer operation	application you must complete and submit to the Coast Guard to have an inspector visit your vessel	document signed by vessel and shore facility persons-in-charge declaring that all transfer requirements have been met	annual report submitted by vessel personnel to the Coast Guard declaring that all transfer equipment has been inspected
344	According to the Pollution Prevention Regulations (33 CFR), the person-in-charge of transfer operations, both ashore and on the vessel, must agree on _____.	the identity of the product to be transferred	the size of the slop tank required under 155.330	the status of the oily water separator	whether or not the transferring ship is a "Public Vessel of the United States"
345	According to the Pollution Prevention Regulations (33 CFR), which of the following conditions would disqualify a nonmetallic hose as being suitable for use in transferring oil?	A cut in the cover which makes the reinforcement visible.	A blown gasket when hydrostatic test pressure is applied.	Evidence of internal or external deterioration.	All of the above.
346	According to the Pollution Prevention Regulations (33 CFR), which of the following qualifies as a discharge of oil?	Leakage of oil to the water by an improperly blanked transfer hose.	Spilling oil on the main deck and having it flow over the side.	Pumping oil overboard through a fixed piping system.	All of the above.
347	According to the Pollution Prevention Regulations (33 CFR), which of the following statements is correct regarding the fuel oil containment under the oil filling connection section?	The containment may be fixed or portable depending upon the age of the vessel.	The containment drains must have quick-closing valves to be closed in the event of leakage or failure of any part of the transfer connection.	All containment drains must lead to a common, fixed drain tank.	Containment drains are prohibited from leading to a common tank.
348	According to the Pollution Prevention Regulations (33 CFR), who is to make the final decision of when oil transfer may begin?	Any local Coast Guard representative	Captain of the Port officer	The senior deck officer present	Designated persons-in-charge of vessel and facility
349	According to the Pollution Prevention Regulations (33 CFR), who makes the final decision of when oil transfer may begin?	The senior deck officer present	The designated person-in-charge	The captain of the port	Any local Coast Guard representative
350	According to the Pollution Prevention Regulations, any discharge of oil, or oily mixture into the sea from any oil tanker, or from any ship of 400 gross tons and above, other than an oil tanker, is prohibited while in a "special" area. These "special areas" are designated in _____.	33 CFR 151	33 CFR 153	33 CFR 156	33 CFR 159

ID #	Question	Choice A	Choice B	Choice C	Choice D
351	According to the Pollution Prevention Regulations, any ship operating under the authority of the United States which engages in coastwise or international voyages is prohibited from discharging any oil or oily mixture overboard while in a "special area". The descriptions of the "special areas" are designated in _____.	33 CFR 150	33 CFR 151	33 CFR 156	33 CFR 159
352	According to U.S. Coast Guard Regulations (46 CFR Part 34), if a fixed foam system is activated aboard a tank vessel, the foam supply must be sufficient to last for a minimum of _____.	3 minutes	7 minutes	12 minutes	15 minutes
353	According to U.S. Coast Guard Regulations (46 CFR), a 10 pound dry chemical extinguisher is equivalent to a _____.	1 3/4 gallon foam	12 gallon foam	15 pound CO2 fire extinguisher	35 pound CO2 fire extinguisher
354	According to U.S. Coast Guard Regulations (46 CFR), portable Halon fire extinguishers used on a MODU may be charged with _____.	HALON 1301 only	HALON 22 only	HALON 1211 only	HALON 1301 or 1211
355	According to U.S. Coast Guard Regulations (46 CFR), which of the following statements concerning fire main shore connections for a 20,000 gross ton cargo vessel on an international voyage is correct?	There must be at least one shore connection to the fire main system on each side of the vessel.	Shore connections must be in an accessible location and fitted with cutoff and check valves.	There must be at least one portable international shore connection flange available.	All of the above.
356	Actuating the fixed CO2 system should cause the automatic shutdown of the _____.	fuel supply only	exhaust ventilation only	supply and exhaust ventilation	mechanical and natural ventilation
357	Adding the longitudinal free surface correction to the uncorrected height of the center of gravity of a MODU yields _____.	'FSCl'	'KG'	'KGL'	'GML'
358	Adding the transverse free surface correction to the uncorrected height of the center of gravity of a MODU yields _____.	'FSCT'	'KG'	'KGT'	'GMT'
359	Adverse effects due to free surface will become apparent when _____.	the vessel is trimmed by the stern	the vessel's draft is decreased exposing more surface area to the wind and current	the vessel's draft is increased, thus increasing the vessel's wetted surface area	a portion of liquid is removed from a full tank
360	After a fire aboard a MODU, the Coast Guard must be notified if there is death, an injury resulting in more than 72% incapacitation, or property damage in excess of _____.	\$(SA)15,000	\$(SA)10,000	\$(SA)25,000	\$(SA)50,000

ID #	Question	Choice A	Choice B	Choice C	Choice D
361	After a fire has been extinguished in a closed space, personnel may safely enter the space when _____.	smoke density has been decreased sufficiently to see the bulkhead opposite the compartment's entrance	a lifeline and explosion proof flash light are used	all smoke and toxic fumes are removed and an adequate oxygen supply is present	overhaul has been completed to remove any possible source of reignition
362	After a life raft is launched, the operating cord _____.	serves as a sea painter	detaches automatically	is used to rig the boarding ladder	is cut immediately as it is of no further use
363	After a life raft is launched, the operating cord _____.	serves as a sea painter	detaches automatically	is used to rig the boarding ladder	is cut immediately as it is of no further use
364	After a person has been revived by artificial respiration, they should be _____.	walked around until he is back to normal	given several shots of whiskey	kept lying down and warm	allowed to do as he wishes
365	After a person has been revived by artificial respiration, they should be _____.	walked around until he is back to normal	given several shots of whiskey	kept lying down and warm	asked about the circumstances of the accident
366	After abandoning a vessel, water consumed within the first 24 hours _____.	will pass through the body with very little being absorbed by the system	will help to prevent fatigue	will quench thirst for only two hours	helps to prevent seasickness
367	After abandoning a vessel, water consumed within the first 24 hours _____.	will pass through the body with very little being absorbed by the system	will help to prevent fatigue	will quench thirst for only two hours	helps to prevent seasickness
368	After allowing for pressure losses, the pressure-volume capacity of an inert gas blower must be able to maintain a pressure, in any cargo tank, with a minimum of _____.	50 millimeters of water	100 millimeters of water	150 millimeters of water	200 millimeters of water
369	After an accident, the victim may go into shock and die. Which of the following actions should be taken to help prevent shock?	Slightly elevate the head and feet.	Keep the person awake.	Keep the person lying down and at a comfortable temperature.	Give the person a stimulant to increase blood flow.
370	After an emergency shoring installation has been completed, the _____.	repair is completed and no further action is needed	timbers are nailed in place to prevent looseness	shoring should be frequently inspected for looseness	damaged plating should be straightened by heating
371	After an injury, which of the following can be determined by examining the condition of a victim's pupils?	The degree of pain being suffered.	The degree of vision impairment.	Whether or not the brain is functioning properly.	Whether or not the victim's blood pressure is normal.
372	After being launched from a MODU, a totally enclosed survival craft which has been afloat over a long period of time, requires _____.	frequent opening of hatches to permit entry of fresh air	regular checks of bilge levels	use of ear plugs to dampen engine noise	frequent flushing of the water spray system with fresh water

ID #	Question	Choice A	Choice B	Choice C	Choice D
373	After being launched from an OSV, a totally enclosed survival craft which has been afloat over a long period of time, requires _____.	frequent opening of hatches to permit entry of fresh air	regular checks of bilge levels	use of ear plugs to dampen engine noise	frequent flushing of the water spray system with fresh water
374	After completing an IOPP certificate survey under Coast Guard Regulations (33 CFR Part 151), no significant change may be made in the construction, equipment, fittings, arrangements, or materials covered by the survey without the sanction of the _____.	State Water Management Authority	Environmental Pollution Agency	U.S.C.G. Officer in Charge of Marine Inspection	Marine Pollution Investigatory Board
375	After extinguishing a paint locker fire using the fixed CO2 system, the next immediate action is for the space to be _____.	opened and burned material removed	left closed with ventilation off until all boundaries are cool	checked for the proper oxygen level	opened and doused with water to prevent reflash
376	After fuel tanks have been filled and bunkers completed, which of the listed procedures should be followed next?	The pressure-vacuum relief valve should be reset.	The tanks should be made seaworthy to prevent contamination.	The tanks should be sounded to verify levels.	The tanks should be marked with a bull stamp on the manifold filling valve.
377	After having activated the emergency position indicating radio beacon(EPRIB), you should _____.	turn it off for five minutes every half-hour	turn it off and on at five minute intervals	turn it off during daylight hours	leave it on continuously
378	After having activated the emergency position indicating radio beacon, you should _____.	turn it off for five minutes every half-hour	turn it off and on at five minute intervals	turn it off during daylight hours	leave it on continuously
379	After having thrown the life raft and stowage container into the water, the life raft is inflated by _____.	pull in on the painter line	forcing open the container which operates the CO2	hitting the hydrostatic release	using the hand pump provided
380	After having thrown the life raft and stowage container into the water, the life raft is inflated by _____.	pulling on the painter line	forcing open the container which operates the CO2	hitting the hydrostatic release	using the hand pump provided
381	After having thrown the life raft and stowage container into the water, the life raft is inflated by _____.	pulling on the painter line	forcing open the container which operates the CO2	hitting the hydrostatic release	using the hand pump provided
382	After launching, an inflatable raft should be kept dry inside by _____.	opening the automatic drain plugs	draining the water pockets	using the electric bilge pump	using the bailers and cellulose sponge
383	After launching, an inflatable raft should be kept dry inside by _____.	opening the automatic drain plugs	draining the water pockets	using the electric bilge pump	using the bailers and cellulose
384	After measuring the length to which a section of shoring should be cut, you should cut the shoring _____.	approximately 1/2 inch longer than measured length to allow for trimming	approximately 1/2 inch shorter than measured length to allow for the use of wedges	to the same length as the measured length	approximately 1/2 inch shorter per foot of shoring to allow wet expansion

ID #	Question	Choice A	Choice B	Choice C	Choice D
385	After taking on fuel oil, the hoses should be disconnected and _____.	draped over the fantail to dry out	drained over the side and washed out	drained into the bilges and washed out	drained into buckets or fuel tanks
386	After the lifeboat has reached the top of the davit heads, the davit arms begin moving up the tracks until the movement is stopped by the _____.	hoist man	limit switch	brake handle	preventer bar
387	After transferring fuel to another vessel, hoses should be drained _____.	to the bilges	over the side	into a bucket	all of the above
388	After using a CO2 fire extinguisher on a MODU, it should be _____.	put back in service if some CO2 remains	hydrostatically tested	retagged	recharged
389	After using a portable Halon fire extinguisher, it should be _____.	put back in service if more than 50% of the charge remains	repainted	hydrostatically tested before reuse	discarded
390	After you have put water on a burning mattress, and the fire appears to have been extinguished, you should then _____.	dry the mattress in a warm area	make sure the fire is out with CO2	pull the mattress apart to ensure no fire remains	secure the mattress in a well ventilated area
391	'Air gap' is the vertical distance between the bottom of the hull and the _____.	still water level	wave crest	wave crest plus the charted water depth and tidal corrections	wave crest plus the charted water depth, plus tidal correction and storm surge
392	All fire hoses on a mobile offshore drilling units must be tested to a pressure of at least _____.	100 psi	110 psi	120 psi	130 psi
393	All MODU personnel should be familiar with the survival craft _____.	boarding and operating procedures	maintenance schedule	navigational systems	fuel consumption rates
394	All of the following are part of the fire triangle EXCEPT _____.	fuel	oxygen	heat	electricity
395	All of the following are recognized distress signals under the Rules of the Road EXCEPT _____.	a green star signal	orange-colored smoke	red flares	the repeated raising and lowering of outstretched arms
396	All OSV personnel should be familiar with the survival craft _____.	boarding and operating procedures	maintenance schedule	navigational systems	fuel consumption rates
397	All personnel on board a vessel should be familiar with the rescue boat _____.	boarding and operating procedures	maintenance schedules	navigational systems	fuel consumption rates
398	All personnel should be familiar with the lifeboats _____.	boarding and operating procedures	maintenance schedule	navigational systems	fuel consumption rates
399	Although 'KG' for a MODU in a lightweight condition is relatively high, the vessel is stiff because _____.	'KM' is small	'KM' is high	'BL' is small	'KB' is large

ID #	Question	Choice A	Choice B	Choice C	Choice D
400	Among other restrictions, an oil tanker may not discharge an oily mixture into the sea from a cargo tank, slop tank, or cargo pump room bilge unless the vessel is _____.	more than 12 nautical miles from the nearest land	discharging at an instantaneous rate of oil content not exceeding 30 liters per nautical mile	at anchor or stopped	is within "Special Areas" defined in Regulation 1 (10) of Annex I to MARPOL 73/78
401	AMVER is a system which provides _____.	satellite communications	navigational information	weather information	position reporting service
402	An acceptable method of dealing with accumulated oil found in the pump room bilges is to _____.	transfer the oil to the sea chest	pump the oil into the slop tanks	discharge the oil over the side on an outgoing tide	pump the oil into a clean ballast tank
403	An application for an exemption of any requirements of the regulations for oil transfer operations must be submitted to the _____.	District Commander	Commandant	Captain of the Port	Nearest Coast Guard office
404	An applications for a waiver of any requirements of the regulations for oil transfer operations must be submitted _____.	the day before the operations	5 days before the operations	10 days before the operations	30 days before the operations
405	An approved signaling device required on inflatable life rafts include an) _____.	pistol	orange smoke signal	air horn	lantern
406	An effective method for moving a patient with spinal injuries to a stretcher or spine board is known as the _____.	pack strap carry	two man extremities carry	fireman's drag	four man log roll
407	An electrically "charged mist" will be found in a _____.	diesel engine cylinder	cargo tank during Butterworthing	fuel tank vent outlet	flash evaporator flash chamber
408	An emergency sea anchor may be constructed by using _____.	a boat bucket	an air tank filled with water	an oar and canvas weighted down	All of the above
409	An example of a combustible liquid is _____.	lube oil	gasoline	butane	benzene
410	An example of class "A" fire is a/an _____.	electrical fire in the engine room	oil fire in the engine room bilges	oil fire involving a grade "A" petroleum product	mattress fire in a stateroom
411	An extinguishing agent which effectively cools, dilutes combustible vapors and provides a heat and smoke screen is _____.	Halon 1301	dry chemical	water fog	carbon dioxide
412	An immersion suit must be equipped with an) _____.	air bottle for breathing	whistle and light	whistle, light, and reflective tape	whistle, light, and sea dye marker
413	An immersion suit should be equipped with a/an _____.	air bottle for breathing	whistle and handheld flare	whistle, strobe light, and reflective tape	whistle, handheld flare, and sea dye marker
414	An immersion suit should be equipped with a/an _____.	air bottle for breathing	whistle and handheld flare	whistle, strobe light, and reflective tape	whistle, handheld flare, and sea dye marker

ID #	Question	Choice A	Choice B	Choice C	Choice D
415	An inert gas system incorporating a separately fired inert gas generator shall be provided with visual and audible alarms to indicate failure of the power supply to the generator, the automatic control system, and _____.	cooling water flow	combustion air temp too low	high sea water temperature	insufficient fuel supply
416	An inert gas system is designed to reduce the possibility of tank explosions by _____.	eliminating sparks and fire in the vicinity of cargo tanks	removing all hydrocarbon gases from the cargo tanks	blanketing cargo tanks with inert foam	reducing the oxygen concentration below levels necessary for combustion
417	An inert gas system on a tanker should be used to _____.	prevent the generation of flammable or combustible gas in tanks	blow out cargo lines to prevent gas concentrations	dilute tank atmospheres to keep gas concentrations below the lower explosive limit	prevent fires in the pump room by continually displacing flammable vapors
418	An inflatable life raft can be launched by _____.	the float-free method only	kicking the hydrostatic release	throwing the entire container overboard, then pulling on the operating cord to inflate the raft	removing the securing straps
419	An inflatable life raft can be launched by _____.	the float-free method only	kicking the hydrostatic release	throwing the entire container overboard, then pulling on the operating cord to inflate the raft	removing the securing straps
420	An inflatable life raft can be manually released from its cradle by _____.	cutting the straps that enclose the container	removing the rubber sealing strip from the container	loosing the turnbuckle on the securing strap	pushing the button on the hydrostatic release
421	An inflatable life raft has inflated on top of you in an upside down position. What should you do next?	Wait for others to lift the raft off of you.	Dive down to prevent your lifejacket from fouling as you come out.	Pull yourself out from under the raft in a face up position to keep your lifejacket clear of the raft.	You should remove your lifejacket before attempting to right an inflatable raft.
422	An inflatable life raft is floating in its container, attached to the ship by its painter, as the ship is sinking rapidly. Which of the actions listed should be taken with respect to the life raft container?	Cut the painter line so it will not pull the life raft container down.	Swim away from the container so you will not be in danger as it goes down.	Take no action as the pull on the painter will cause the life raft to inflate and open the container.	Manually open the container and inflate the life raft with the hand pump.

ID #	Question	Choice A	Choice B	Choice C	Choice D
423	An inflatable life raft is floating in its container, attached to the ship by its painter, as the ship is sinking rapidly. Which of the actions listed should be taken with respect to the life raft container?	Cut the painter line so it will not pull the life raft container down.	Swim away from the container so you will not be in danger as it goes down.	Take no action as the pull on the painter will cause the life raft to inflate and open the container.	Manually open the container and inflate the life raft with the hand pump.
424	An inflatable life raft is hand-launched by _____.	pulling a cord	cutting the wire restraining bands	removing the rubber packing strip	throwing the entire container overboard
425	An inflatable life raft is thrown into the water from a sinking vessel. Which of the following actions occurs automatically after the painter trips the CO2 bottles to inflate the raft?	The sea anchor is deployed.	The floor inflates.	If upside down, the craft will right itself.	The painter detaches from the raft.
426	An inflatable life raft is thrown into the water from a sinking vessel. Which of the following actions occurs automatically after the painter trips the CO2 bottles to inflate the raft?	The sea anchor is deployed.	The floor inflates.	If upside down, the craft will right itself.	The painter detaches from the raft.
427	An inflatable life raft should be lifted back aboard the ship by using _____.	the single hook at the top of the raft	two lines passed under the raft	the towing bridle	All of the above
428	An inflatable life raft should be lifted back aboard the ship by using _____.	the single hook at the top of the raft	two lines passed under the raft	the towing bridle	all of the above
429	An initial attempt to extinguish a galley grease fire may be made by using _____.	water	a mechanical foam system	the range hood extinguishing system	fire dampers only
430	An instrument used to detect explosive gas/air mixtures, usually measures the concentration in terms of the lower explosive limit, and is known as a _____.	toxic vapor meter	flame safety lamp	gas absorption detector	combustible gas indicator
431	An insulating flange should be used in a cargo hose connection instead of a bonding wire _____.	when pumping LNG only	when static electricity may be generated	when the terminal is equipped with a cathodic protection system	during cold weather
432	An International Oil Pollution Prevention (IOPP) Certificate ceases to be valid on a U.S. Ship when _____.	the ship changes its port of documentation to San Francisco	the certificate exceeds 2 years from the date of issue	an intermediate survey as required by 33 CFR 151.17 is not carried out	the vessel owners cease to belong to IMO (International Maritime Organization)
433	An LNG carrier has an approved type of gas detecting system to detect methane leaks in the _____.	barrier spaces	cargo handling rooms	boiler burner supply piping	all of the above
434	An ocean going ship of 400 gross tons or above must be fitted with a standard oil discharge shore connection with dimensions outlined in Pollution Prevention Regulations (33 CFR) or be substituted with a suitable _____.	portable flange adapter using a four bolt pattern and a bolt circle diameter of 83 mm	portable flange adapter using a five bolt pattern and a bolt circle diameter of 183 mm	portable flange adapter using a six bolt pattern and a bolt circle diameter of 183 mm	portable flange adapter using a eight bolt pattern and a bolt circle diameter of 83 mm

ID #	Question	Choice A	Choice B	Choice C	Choice D
435	An ocean going ship of 4000 gross tons must be fitted with a standard discharge shore connection for the discharge of oily wastes to a reception facility. The dimensions for the connection are specified in the Pollution Prevention Regulations under Part _____.	151	153	154	155
436	An ocean going ship of 6000 gross tons or above must be fitted with a standard discharge shore connection with dimensions outlined in Pollution Prevention Regulations (33 CFR) or be substituted with a _____.	portable connection using a four bolt pattern	suitable discharge shore connection	portable adapter that meets the same specification outlined in 33 CFR, Subchapter "O"	clip-on flange suitable for service pressure of 4 kg/cm ²
437	An oceangoing ship of 350 gross tons, constructed in January 1976, and not equipped with an oily water separator, may retain all bilge slops _____.	onboard in the ship's bilges	in the forward peak tank	in the oil purifier reservoir	in a cofferdam
438	An oil fire would be classified as a _____.	class A	class B	class C	class D
439	An 'on-load' release system on a survival craft means the cable can be released _____.	only when the load is taken off the cable	only there is a load on the cable	only when activated by the controls at the lowering station	at any time
440	An oxygen indicator will detect _____.	the amount of oxygen in a space	the presence of harmful amounts of carbon monoxide	concentrations of explosive gas	all of the above
441	An oxygen indicator will detect _____.	concentrations of explosive gas	an oxygen deficiency in a space	the presence of harmful amounts of carbon monoxide	all of the above
442	An ullage reading is the distance from a given point at the _____.	sounding tube to either side of the tank	top of the tank down to the bottom of the tank	top of the liquid down to the tank bottom	top of the sounding tube down to the surface of the liquid
443	An unconscious person should NOT be _____.	placed in a position with the head lower than the body	given an inhalation stimulant	given something to drink	treated for injuries until conscious
444	An unconscious person should NOT be _____.	placed in a position with the head lower than the body	given an inhalation stimulant	given something to drink	treated for injuries
445	Angular motion about the longitudinal axis of a vessel is known as _____.	pitch	surge	sway	roll
446	Angular motion about the vertical axis of a vessel is known as _____.	yaw	surge	hog	roll
447	Annual servicing of a hand portable CO ₂ fire extinguisher includes _____.	inspecting the pressure gauge to ensure the needle is within operating range	weighing the cylinder and recharging if weight loss exceeds 10% of the weight of the charge	hydrostatic testing of the cylinder	discharging, cleaning inside, and recharging

ID #	Question	Choice A	Choice B	Choice C	Choice D
448	Antiseptics are used principally to _____.	speed healing	prevent infection	reduce inflammation	increase blood circulation
449	Antiseptics are used principally to _____.	promote healing	prevent infection	reduce inflammation	increase blood circulation
450	Any combustible liquid having a flash point of 150°F or above is grade _____.	A	B	D	E
451	Any firefighting equipment carried in addition to the minimum requirements on a MODU must _____.	meet the applicable standards	be marked as additional equipment	be stowed in a separate area	all of the above
452	Any liquid which gives off flammable vapors at or below 80°F, as determined by flash point from an open cup tester, describes a _____.	flammable liquid	combustible liquid	nonflammable liquid	noncombustible liquid
453	Any liquid with a flash point above 80°F is a _____.	flammable liquid	combustible liquid	coal base oil	synthetic base oil
454	Any single ship's compartment sustaining partial flooding with free communication to the sea will _____.	increase reserve buoyancy	decrease the free surface effect	seriously reduce stability	result in the ship's sinking
455	Appendicitis symptoms include cramps or pain in the abdomen located in the _____.	lower left side	lower right side	upper left side	upper right side
456	Approved buoyant work vests may be carried aboard tank vessels and shall be worn by crew members _____.	when working near or over the water under unfavorable working conditions	under the supervision and control of designated ship's officers	as substitutes for the approved life preservers during routine drills, weather permitting, when a vessel is moored pier side	all of the above
457	Aqueous film forming firefighting foam is also known as _____.	chemical foam	high-expansion foam	mechanical foam	all of the above
458	Aqueous Film Forming Foam (AFFF), commonly known as 'light water', is especially suitable for fighting _____.	oil fires in the engine room bilges	class C fires in paint lockers	any class D fire	all of the above
459	Artificial respiration may be necessary in cases of _____.	drowning	electrocution	poisoning	All of the above
460	Artificial respiration may be necessary in cases of _____.	drowning	electrocution	poisoning	All of the above
461	Artificial resuscitation to an adult should be administered _____.	4 to 6 times per minute	12 to 15 times per minute	20 to 30 times per minute	At least 30 times per minute
462	As a firefighting medium, CO2 can be dangerous under certain conditions as it can cause _____.	hallucinations	freeze burns and blistering	undulation	carbon monoxide poisoning
463	As a general rule of thumb, with no adverse wind conditions, approximately how far could a straight stream of water reach from a fire hose having a nozzle pressure of 100 psi?	50 feet	100 feet	150 feet	200 feet

ID #	Question	Choice A	Choice B	Choice C	Choice D
464	As a last resort, a tourniquet can be used to _____.	hold a victim in a stretcher	stop uncontrolled bleeding	hold a large bandage in place	restrain a delirious victim
465	As a precaution against oil spills when topping off fuel tanks, you should _____.	close the deck filling valve to reduce the pumping rate	close all tank vents to prevent overflow	fill the tank to the bottom of the expansion trunk	notify the shore pumping station to reduce the pumping rate as tanks near full capacity
466	As a vessel changes course to starboard, the compass card in a magnetic compass _____.	remains aligned with compass north	also turns to starboard	first turns to starboard then counterclockwise to port	turns counterclockwise to port
467	As a vessel changes course to starboard, the compass card in a magnetic compass _____.	first turns to starboard then counterclockwise	also turns to starboard	remains aligned with compass north	turns counterclockwise to port
468	As a vessel changes course to starboard, the compass card in a magnetic compass _____.	first turns to starboard then counterclockwise to port	also turns to starboard	turns counterclockwise to port	remains aligned with compass north
469	As a vessel sinks to a depth of 15 feet, the hydrostatic trip releases the life raft container from its cradle by _____.	breaking the weak link	releasing the tie-down strap	pulling the operating cord	releasing the CO2 canister
470	As its temperature rises, the volume of fuel oil stored in a tank will _____.	remain the same	increase	decrease	none of the above
471	As part of the emergency outfit required to be carried onboard all tank vessels over 1000 gross tons, flashlights must be _____.	of a minimum number of two explosion proof type	listed by NEMA and bearing its label	of the Type II or Type III	all of the above
472	As shown in figure 2, fresh air entering through windward doorways and portholes while pushing heat and smoke out leeward doorways and portholes is known as _____.	vertical ventilation	horizontal ventilation	loop ventilation	cross-flow induction
473	As shown in the illustration, item #8 would be an) _____.	recognition light	rain water catchment tube assembly	pressure relief valve	floating sheath knife
474	As soon as you hear the fire and emergency signal, you should ensure that _____.	the ring buoys are thrown overboard	the engines are stopped	the fire pump is started	everyone is suited in an approved life vest
475	As soon as you hear the fire and emergency signal, you should ensure that the _____.	ring buoys are thrown overboard	engines are stopped	fire pumps are started	life preservers have been issued to everyone
476	At a speed of six knots the fuel aboard a survival craft should last _____.	8 hours	12 hours	24 hours	48 hours
477	At all angles of inclination the metacenter is located _____.	vertically above the center of buoyancy	vertically above the center of gravity	at the intersection of the upright vertical centerline and the line of action of the buoyant force	geometric center of the underwater volume

ID #	Question	Choice A	Choice B	Choice C	Choice D
478	At all angles of inclination, the true measure of a vessel's stability is determined by the vessels _____.	metacentric height	displacement	righting moment	inclining moment
479	At the earliest indication of fire aboard your vessel, you must FIRST _____.	locate the fire	determine which type of fire is burning	sound the alarm	fight the fire
480	At the required fire drill conducted aboard a MODU, all persons must report to their stations and demonstrate their ability to perform the duties assigned to them _____.	by the tool pusher	in the Muster List ("Station Bill")	by the person conducting the drill	at the previous safety meeting
481	At what interval must a foam fire extinguisher be recharged if the vessel's Certificate of Inspection is issued for a period of two years?	Quarterly	Semiannually	Biennially	Annually
482	At which of the listed tank locations should you obtain oxygen content readings prior to tank washing?	At the hatch coaming and tank bottom.	At the hatch coaming and middle of the tank.	At the middle and bottom of the tank.	At the center of the ullage and one meter below deck.
483	Basic emergency care for a victim of a serious electrical burn is to _____.	flood the burn area with water for two minutes	brush away the charred skin and wrap the burned area	cover the burned area with a clean cloth and transport the patient to a medical facility	apply rubbing alcohol to the burned area and wrap with a clean cloth
484	Before a shipboard fire can be declared completely out, which of the following conditions must be established?	The cause of the fire is to be known.	The fire area is safe for men to enter without a breathing apparatus.	The fire area is sufficiently cooled so that accidental skin burns will not occur.	All of the above.
485	Before attempting to put out a class "C" fire involving an electric-driven centrifugal pump, you should FIRST _____.	insulate your shoes	ground the fire hose	secure its power supply	start the fire pump
486	Before CPR is started on the victim, you should _____.	establish an open airway	treat any bleeding wounds	insure the victim is conscious	make the victim comfortable
487	Before CPR is started on the victim, you should _____.	establish an open airway	treat any bleeding wounds	insure the victim is conscious	make the victim comfortable
488	Before entering a fuel tank that has been cleaned, it should be checked with an oxygen indicator and a/an _____.	Orsat apparatus	flame safety lamp	Halide torch	combustible gas indicator
489	Before entering any space that has been sealed, its oxygen level should be tested. What level of oxygen in the space is equal to fresh air?	10.0%	15.8%	20.8%	25.8%
490	Before inserting a low velocity fog applicator into an all-purpose combination nozzle, you must _____.	tighten the high velocity fog tip	put the control handle in the solid steam position	put the control handle in the fog position	remove the high velocity fog tip
491	Before inserting a low velocity fog applicator into the device shown in the illustration, you must place the handle in _____.	position "C", operate catch "E", and remove piece "D"	position "B", secure the water pressure, and turn piece "D" to your right	position "A", depress piece "D", and open catch "E"	position "C", secure the water pressure, and turn piece "D" to your left

ID #	Question	Choice A	Choice B	Choice C	Choice D
492	Before making any welded repairs to the internals of a vessel's fuel tank in a U.S. port, the tank must be examined by _____.	the chief engineer	the master of the vessel	a certified marine chemist	the insurance underwriter
493	Before releasing CO2 into the machinery space, the alarm for a fixed CO2 fire extinguishing system must sound for at least _____.	20 seconds	30 seconds	40 seconds	60 seconds
494	Before the seas get rough, it is a good safety practice to _____.	make a visual inspection of all engine spaces and secure loose gear	move quickly about the ship	increase all engine space lighting	shutdown auxiliary equipment
495	Before you initiate the engine room fixed CO2 system to extinguish a serious fire, you would _____.	start the emergency diesel	stop the main engine	evacuate all engine room personnel	turn off electrical power
496	Besides heat, fuel, and oxygen, which of the following is necessary for a fire to exist?	Chain reaction	Thermal action	Chemical occlusion	Pyrotechnical reaction
497	Bilges may be pumped _____.	overboard on the outgoing tide	overboard only after dark	overboard only through an approved oily water separator and oil content monitor	anytime as long as the oil content is very little
498	Bleeding from a vein can be characterized as _____.	dark red and slow	bright red and slow	bright red and spurting	dark red and spurting
499	Bleeding from a vein may be ordinarily controlled by _____.	pinching the wound closed	applying direct pressure to the wound	heavy application of a disinfectant	pouring ice water directly into the wound
500	Bleeding from a vein may ordinarily be controlled by _____.	applying direct pressure to the wound	heavy application of a disinfectant	pouring ice water directly onto the wound	pinching the wound closed
501	Blood flowing from a cut artery would appear _____.	dark red with a steady flow	bright red with a steady flow	bright red and in spurts	dark red and in spurts
502	Bonding cables are used to reduce the possibility of accidental spark discharge when _____.	transferring flammable liquids to or from a vessel	transferring dry mud to or from a vessel	transferring fuel oil from storage to day tanks	securing drill pipe on deck
503	Both crude oil washing and water washing use direct impingement to remove residue from tanks. Crude oil washing has an additional advantage, in utilizing _____.	a higher pressure jet	the solvent effect of the crude oil	a higher temperature	none of the above.
504	Bottom mounted crude oil washing machines are primarily used for _____.	the majority of crude oil tank cleaning	washing the entire bottom of the tank	areas where direct impingement from deck mounted machines cannot be satisfactorily reached	all vertical surfaces
505	Breathing petroleum vapors is hazardous and may cause _____.	temporary blindness	permanent deafness	severe internal bleeding	unconsciousness and suffocation

ID #	Question	Choice A	Choice B	Choice C	Choice D
506	Bunker "C" is classified as a grade _____.	A liquid	B liquid	D liquid	E liquid
507	Bunker "C", a grade "E" combustible liquid, will _____.	give off flammable vapors below 80°F (26.7°C)	have a Reid vapor pressure of 14 psi (96.5 kPa) or more	self-ignite at temperatures below 150°F (65.5°C)	have a flash point of 150°F (65.5°C) or more
508	Burning diesel oil should be treated as which class of fire?	Class "A"	Class "B"	Class "C"	Class "D"
509	Burning electrical insulation is best extinguished by _____.	soda acid	foam	water fog	carbon dioxide
510	Burning magnesium is considered to be which of the listed classes of fire?	Class A	Class B	Class C	Class D
511	Burning paint, turpentine, or grease would be an example of which of the following classes of fire?	Class A	Class B	Class C	Class D
512	Burning rubber is considered to be which of the listed classes of fire?	Class A	Class B	Class C	Class D
513	Burning wood is considered to be which of the listed classes of fire?	Class A	Class B	Class C	Class D
514	By definition, an example of a flammable liquid is _____.	kerosene	gasoline	caustic potash	animal and vegetable oils
515	By definition, combustible liquids are liquids which _____.	spontaneously ignite	are highly volatile with a flash point of 0°F	have a flash point of 80°F or higher	give off flammable vapors at or below 80°F
516	By definition, spontaneous combustion is a result of _____.	an outside heat source heating a substance until it ignites	conduction of heat through a wall of material to the substance	chemical reactions within a substance	All of the above.
517	By regulation, orange smoke distress signals will expire not more than how many months from the date of manufacture?	24 months	36 months	42 months	54 months
518	Carbon dioxide cylinders must be recharged when the weight of the charge has diminished to what percent?	80%	85%	90%	95%
519	Carbon dioxide cylinders must be recharged when the cylinder charge weight is less than what percent of the stamped full weight charge?	80%	85%	90%	95%
520	Carbon dioxide extinguishers must be recharged when the charge weight is less than _____.	80%	85%	90%	95%
521	Cartridge-operated dry chemical fire extinguishers used on MODUs, should have the propellant cartridge weighed every _____.	three months	six months	12 months	two years

ID #	Question	Choice A	Choice B	Choice C	Choice D
522	Changing rescuers while carrying out artificial respiration should be done _____.	without losing the rhythm of respiration	only with the help of two other people	by not stopping the respiration for more than 5 minutes	at ten minute intervals
523	Changing rescuers while carrying out artificial respiration should be done _____.	without losing the rhythm of respiration	only with the help of two other people	by not stopping the respiration for more than 5 minutes	at ten minute intervals
524	Changing rescuers while carrying out artificial respiration should be done _____.	at ten minute intervals	by not stopping the respiration for more than five minutes	only with the help of two other people	without losing the rhythm of respiration
525	Changing rescuers while carrying out artificial respiration should be done _____.	at ten minute intervals	by not stopping the respiration for more than five minutes	only with the help of two other people	without losing the rhythm of respiration
526	Chemical burns are caused by the skin coming in contact with _____.	acids or alkalis	diesel oil	acids, but not alkalis	alkalis, but not acids
527	Chemical foam is most suitable for use on a fire involving _____.	oil	burning insulation	hot bulkheads	electrical machinery
528	Class C fires may be combated using a _____.	dry chemical extinguisher	carbon dioxide extinguisher	Halon extinguisher	all of the above
529	Clean air standards, referred to as 'Grade D', apply to compressed air for use in _____.	high pressure fluid accumulators	driving air powered plunger pumps	filling open circuit breathing systems	bladder type accumulators
530	Clogged limber holes can endanger a ship's stability by _____.	decreasing off center weight	increasing water area on the keelson	preventing the free surface effect	preventing water from draining to the bilge well
531	CO2 cylinders equipped with pressure actuated discharge heads will discharge automatically when _____.	the discharge valve is open	the control box glass is broken	pressure from the control cylinders is initially detected	the control cylinders have been completely discharged
532	CO2 extinguishes a fire by _____.	a blanket of bubbles formed on the surface of the fire	smothering	cooling	isolating the heat from the fuel
533	Coast Guard approved buoyant work vests _____.	may be substituted for 10 percent of the required life preservers	should be stowed adjacent to rescue boats and emergency stations	may be used by boat crews and line handlers during rescue boat drills	should be used when carrying out duties near a weather deck's edge
534	Coast Guard approved buoyant work vests _____.	may be substituted for 10 percent of the required life preservers	should be stowed adjacent to rescue boats and emergency stations	may be used by boat crews and line handlers during rescue boats drills	should be used when carrying out duties near a weather deck's edge

ID #	Question	Choice A	Choice B	Choice C	Choice D
535	Coast Guard regulations (33 CFR) require that the oil transfer procedures which must be posted on every vessel having a capacity of 250 or more barrels of oil, must contain a description of each oil transfer system installed on the vessel and shall also identify the location of each _____.	valve	pump	vent	all of the above
536	Coast Guard Regulations (46 CFR Part 34) state that any space containing charged CO2 cylinders, shall be properly ventilated to prevent a temperature higher than _____.	130°F (54.5°C)	140°F (60.0°C)	150°F (66.6°C)	160°F (71.1°C)
537	Coast Guard Regulations (46 CFR Part 95), require a fixed foam extinguishing system on cargo and miscellaneous vessels to meet which of the following requirements?	The supply of foam producing materials must be sufficient to operate the equipment for at least 3 minutes for spaces other than tanks.	The deck foam system must be completely independent of the fixed foam system.	The foam producing chemicals must be discharged and recharged every year at annual inspection.	The foam producing chemicals must be discharged and recharged every 2 years at the annual inspection.
538	Coast Guard Regulations (46 CFR) classify a liquid having a flash point of 175°F (79.4°C) as a combustible liquid, _____.	Grade "E"	Grade "D"	Grade "C"	Grade "B"
539	Coast Guard Regulations (46 CFR) divide petroleum products into combustible liquids and flammable liquids. Flammable liquids _____.	give off flammable vapors at or below 80°F (26.7°C)	always have a Reid vapor pressure of 14 pounds (6.35 kg) or more	will self-ignite at temperatures below 150°F (65.6°C)	have a flash point of 150°F (65.6°C) or more
540	Coast Guard Regulations (46 CFR) for carbon dioxide fixed fire extinguishing systems require _____.	a separate supply of CO2 be provided for each space protected	the total supply of CO2 to be at least sufficient for the space requiring the greatest amount	the total supply of CO2 be equal to the gross tonnage of the vessel divided by 30	all of the above
541	Coast Guard Regulations (46 CFR) require each machinery space fire hose to be equipped with an approved combination nozzle and applicator. The maximum allowable length of the applicator _____.	may not exceed 3 feet in length	may not exceed 4 feet in length	must be less than 6 feet in length	must be less than 10 feet in length
542	Coast Guard Regulations (46 CFR) require each machinery space fire hose to be equipped with an approved combination nozzle and applicator. The maximum allowable length of the applicator _____.	may not exceed 4 feet in length	may not exceed 5 feet in length	must be less than 6 feet in length	may be greater than 6 feet in length when demonstrated to OCMI that the applicator will not interfere with the placement of the machinery

ID #	Question	Choice A	Choice B	Choice C	Choice D
543	Coast Guard Regulations (46 CFR) require fire hydrants to be located in the propulsion machinery spaces containing oil fired boilers. In addition, vessels of 1,000 gross tons and over are to be equipped with a _____.	straight through nozzle	12 foot low velocity fog applicator	100 foot length of lined fire hose	coupling spanner wrench
544	Coast Guard Regulations (46 CFR) require gears, couplings, flywheels, and all rotating machinery capable of injuring personnel to be _____.	protected with adequate covers or guards	identified by yellow and black warning signs	conspicuously identified as to their particular hazard	located where they may not be easily contacted
545	Coast Guard Regulations (46 CFR) require how many 15 pound carbon dioxide fire extinguishers to be installed in the boiler room of an 8,000 horsepower steam propelled vessel?	Two	Four	Six	Eight
546	Coast Guard Regulations (46 CFR) require inflatable life rafts to be equipped with _____.	a first aid kit	an instruction manual	a sea anchor	all of the above
547	Coast Guard Regulations (46 CFR) require inflatable life rafts to be equipped with _____.	a first aid kit	an instruction manual	a sea anchor	all of the above
548	Coast Guard Regulations (46 CFR) require that lifejackets shall be _____.	provided for each person onboard	provided for all personnel on watch	readily accessible to persons in the engine room	all of the above
549	Coast Guard Regulations (46 CFR) require that lifejackets shall be _____.	provided for each person onboard	provided for all personnel on watch	readily accessible to persons in the engine room	all of the above
550	Coast Guard Regulations (46 CFR) require that low velocity fog spray applicators be provided for the combination hose nozzles in the machinery spaces of tank vessels. How many applicators are required to be maintained in the machinery spaces of these vessels?	1	2	3	4
551	Coast Guard regulations (46 CFR) state that all handheld portable fire extinguishers required aboard uninspected motor vessels shall be type _____.	A	B	C	D
552	Coast Guard Regulations (46 CFR) state that the maximum number of type B-II hand portable fire extinguishers required aboard a 299 gross ton uninspected motor vessel with 7000 BHP main propulsion diesel engine is _____.	one	three	six	nine
553	Coast Guard Regulations (46 CFR) states that duties assigned to the crew by the Muster List ("Station Bill") will _____.	be given on a bid basis	be comparable with their regular work	not exceed regular hours	be overtime duties

ID #	Question	Choice A	Choice B	Choice C	Choice D
554	Coast Guard Regulations (46 CFR), require a fixed foam extinguishing system on cargo and miscellaneous vessels to meet which of the following requirements?	The supply of foam producing materials must be sufficient to operate the equipment for at least 3 minutes for spaces other than tanks.	The deck foam system must be completely independent of the fixed foam system.	The foam producing chemicals must be discharged and recharged every year at annual inspection.	The foam producing chemicals must be discharged and recharged every 2 years at the annual inspection.
555	Coast Guard Regulations (46 CFR), require electric hand lamps, approved for use in fuel tanks, to be battery powered and _____.	flame resistant	explosion proof	corrosion resistant	moisture proof
556	Coast Guard Regulations 46 CFR, stipulate that in addition to emergency signals, muster lists must specify _____.	actions to be taken by persons on board when each signal is sounded	the signal for abandoning the vessel	the duties assigned to different members of the crew	all of the above
557	Coast Guard Regulations 46 CFR, stipulate that in addition to emergency signals, muster lists must specify _____.	actions to be taken by persons on board when each signal is sounded	the order to abandon the vessel	the duties assigned to different members of the crew	all of the above
558	Coast Guard Regulations 46 CFR, stipulate that in addition to emergency signals, muster lists must specify _____.	actions to be taken by persons on board when each signal is sounded	the order to abandon the vessel	the duties assigned to different members of the crew	all of the above
559	Coast Guard Regulations 46 CFR, stipulate that in addition to emergency signals, muster lists must specify _____.	actions to be taken by persons on board when each signal is sounded	the order to abandon the vessel	the duties assigned to different members of the crew	all of the above
560	Coast Guard Regulations apply to which of the following requirements of the equipment required to be in a fireman's outfit?	The flashlight shall be Type II or Type III.	The assembled lifeline shall have a breaking strength of 2,500 pounds.	The combustible gas indicator hose must be 100 feet in length.	All protective clothing must be electrically non-conducting.
561	Coast Guard regulations require a shipboard oil pollution emergency plan to be reviewed _____.	annually only	biennially only	quad-annually only	only one every five years
562	Combustible gas indicators are used to detect flammable gases or vapors in the atmosphere. As a safety feature, they are equipped with _____.	an audible signaling device	an inflatable bag	a pressure relieving device	flame arrestors
563	Combustible gas indicators are used to detect flammable gases, or vapors present in a tank. This is accomplished by an intricate instrument incorporating a/an _____.	inflatable bag	heated filament	sensitive liquid chemical	vapor detecting carbon compound
564	Combustible gas indicators detect flammable gases, or vapors present in the atmosphere by an intricate system which includes _____.	burning the vapors	metering the vapors	measuring the vapor volume	weighing the vapor

ID #	Question	Choice A	Choice B	Choice C	Choice D
565	Combustible gas indicators measure the concentration of combustible gases as a percentage of the lower explosive limit of the gas. If the hydrocarbon content of the sample exceeds the upper explosive limit _____.	the needle will rise slowly to and remain at the maximum reading	the needle will move rapidly to and remain at the maximum reading	the needle will move to the maximum reading and return back to zero	it will not be detected
566	Combustible gas indicators measure the presence of combustible gases as a percentage of the _____.	flash point	upper explosive limit	lower explosive limit	fire point
567	Combustible material which is stored adjacent to a compartment where there is a fire, may also be ignited. This ignition can occur by _____.	heat convection through the bulkheads	heat conduction of combustion gases	direct radiation emitted by the adjacent fire	heat radiated from the bulkhead by the adjacent fire
568	Comminuted or ground garbage which will be discharged into the sea, must be able to pass through a screen with a mesh size no larger than _____.	25 millimeters	50 millimeters	75 millimeters	100 millimeters
569	Compliance with the terms of the load line certificate on a MODU is the responsibility of the _____.	Ballast Control Operator	Barge Supervisor	Master or Offshore Installation Manager	Operator representative
570	Control of a fire on a MODU should be addressed _____.	immediately after restoring vital services	immediately	following control of flooding	following establishment of fire boundaries
571	Control of flooding on a MODU should be addressed _____.	first	following control of a fire	following restoration of vital services	only if a threat exists
572	Control valves for a CO2 fire extinguishing system may be located within the protected space when _____.	it is impractical to locate them outside	there is also a control valve outside	the CO2 cylinders are also in the space	an automatic heat sensing trip is installed
573	Crude oil washing has which of the following disadvantages?	Its cleaning ability is very poor.	Allows buildup of cargo residue on tank walls.	It requires following additional work procedures and close attention by the crew during cargo operations.	When completed, more cargo is retained aboard the ship than with water washing.
574	Damage stability of a MODU is the stability _____.	which exists when the wind speed is less than 50 knots	before collision	after flooding	at survival draft
575	Davit launched lifeboats must be equipped with _____.	tanks for the storage of drinking water	ballast tanks to prevent the boat from capsizing	buoyant oars or paddles	auxiliary mechanical propulsion (Fleming gear)
576	Diesel fuel is relatively safe to handle due to its low volatility, but the fumes will self-ignite and continue to burn steadily if the fuel is heated to the _____.	flash point	ignition point	volatility point	upper explosive limit

ID #	Question	Choice A	Choice B	Choice C	Choice D
577	Diesel fuel vapors _____.	can not be ignited by a spark unless the vapor is in a confined space	are nontoxic in all concentrations	can not be ignited by a spark unless they are at their auto ignition temperature	are heavier than air
578	Distress signals may be _____.	red flares	smoke signals	sound signals	All of the above
579	Drinking salt water will _____.	be safe if mixed with fresh water	prevent seasickness	promote urine excretion	protect against heat cramps
580	Dry chemical extinguishing agents are effective when used _____.	with any foam extinguishing agents	strictly in a cooling capacity	with any other dry chemical extinguishing agents	on materials that contain their own oxygen
581	Dry chemical extinguishing agents extinguish a fire by _____.	cooling the fuel below ignition temperature	smothering and removing the oxygen from the fuel	breaking up the molecular chain reaction	removing the fuel by absorbing the heated vapors
582	Dry chemical extinguishing agents extinguish a fire by _____.	removing the fuel by absorbing the heated vapors	cooling and removing the oxygen from the fuel	smothering and removing the oxygen from the fuel	breaking up the molecular chain reaction
583	Dry chemical fire extinguishers may be effectively used on which of the listed classes of fires?	Class "A" only	Class "B" only	Class "B" and "C" only	Class "A" and "C" only
584	Due to the hazards involved with Halon type fire extinguishers on a MODU, the size II extinguisher may only be used _____.	outside of an occupied space	on class C fires	in any inside emergency	on class B fires
585	During a fire drill on a MODU, which of the following actions is required to be carried out?	Each fire pump is to be started.	The lifeboat is to be launched and operated.	An inventory of rescue and fire equipment is to be taken.	An inspection and inventory of fire hoses is to be made.
586	During an abandonment or drill, the first person to arrive at the survival craft should _____.	pass out food and water to personnel	open the doors and start the sprinkler system	activate the emergency release handle	open the doors and prepare the craft for boarding
587	During an emergency drill on a vessel, you hear "three (3) short blasts on the whistle and three (3) short rings on the general alarm bells". This is the signal is for _____.	abandon ship	dismissal from fire and emergency stations	fire and emergency	man overboard
588	During an evacuation from a MODU, an individual without the option of a survival craft or life raft should enter the water on the leeward side, except when _____.	there is burning oil on the water	there is a rescue craft in the area	water temperature is below 40°F	a rigid survival craft is in the area
589	During an evacuation from a MODU, an individual without the option of a survival craft or life raft should enter the water on the leeward side, except when _____.	there is a rescue craft in the area	there is hydrogen sulfide present	water temperature is below 40°F	a rigid survival craft is in the area

ID #	Question	Choice A	Choice B	Choice C	Choice D
590	During an evacuation from a MODU, an individual without the option of a survival craft or life raft should enter the water on the leeward side, except when _____.	there is a rescue craft in the area	water temperature is below 40°F	there is a severe list to the windward side of the MODU	a rigid survival craft is in the area
591	During an inspection of a ships storeroom, you find sealed containers of chemicals labeled "potassium bicarbonate" and "potassium chloride". These chemicals are most commonly used aboard ship for _____.	degreasing machinery parts	recharging dry chemical fire extinguishers	engine jacket water treatment	descaling evaporator tubes
592	During cargo operations, a deck fire has occurred due to a leaking cargo line. You should FIRST _____.	blanket the cargo spill with foam	apply CO2 on the burning fuel at its source	stop the transfer of cargo	prevent the spread of fire with a foam dam
593	During counter flooding to correct a severe list or trim aggravated by an off center load, a MODU suddenly takes a list or trim to the opposite side. You should _____.	continue counter flooding in the same direction	continue counter flooding, but in the opposite direction	immediately stop counter flooding	deballast from the low side
594	During counter flooding to correct a severe list or trim aggravated by an off center load, your ship suddenly takes a list or trim to the opposite side. Your first course of action should be _____.	continue counter flooding in the same direction	continue counter flooding, but in the opposite direction	immediately stop counter flooding	deballast from the low side
595	During fueling operations oil is detected in the water adjacent to your vessel. If however, it is determined to be from some source other than your vessel, you should _____.	secure operations until the exact type of oil is determined	make an entry in the oil record book to that effect	notify the Coast Guard	All of the above
596	During fueling operations, which of the listed precautions should be taken when topping off fuel tanks?	Reduce the pumping rate by closing the deck filling valve.	Close all overflow valves.	Place 5 gallon containers under all flange connections in the fuel line.	Reduce the pumping rate and sound tanks frequently
597	During oil transfer operations, who would be responsible to guarantee that the posted transfer procedures are being followed?	The designated person in charge	The tankerman	The senior able seaman	The oiler
598	During severe storms, when survival becomes a major concern, it may become necessary to relieve high anchor tensions on the windward side of the MODU by _____.	deballasting the rig	ballasting the rig	paying out cable on the windward side	paying out cable on the leeward side
599	During the annual servicing of your ship's fixed CO2 system, you receive the report shown in the illustration. Which CO2 cylinders require recharging?	105	103 and 108	109	All of the above
600	During the required periodic boat drill aboard a MODU, each person not assigned duties as per the Muster List ("Station Bill") is _____.	instructed in the use of portable fire extinguishers	shown a video demonstrating lifeboat launching	instructed in the use of life preservers	not required to attend the boat drill
601	During the towing of a survival craft, a lookout should be on station to _____.	release the towline in an emergency	help the helmsman steer	look for food and water	check water level in the bilge

ID #	Question	Choice A	Choice B	Choice C	Choice D
602	During topping off of bunker tanks, the loading rate must be personally supervised by the _____.	terminal operator	person-in-charge	master	chief engineer
603	Each buoyant work vest on a MODU must be _____.	Coast Guard approved	marked with the name of the unit	equipped with a waterlight	all of the above
604	Each buoyant work vest on an OSV must be _____.	Coast Guard approved	marked with the name of the unit	equipped with a waterlight	all of the above
605	Each completed page of the Oil Record Book must be signed by the _____.	engineer on watch	Chief Engineer	Chief Mate	Master
606	Each distress signal and self-activated smoke signal must be replaced not later than the marked date of expiration, or from the date of manufacture, not later than _____.	48 months	42 months	36 months	12 months
607	Each distress signal and self-activated smoke signal must be replaced not later than the marked date of expiration, or not more than how many months from the date of manufacture?	12	24	36	42
608	Each emergency generator on a mobile offshore drilling unit, when tested, must be run under a full load for at least _____.	one hour	two hours	ten hours	four hours
609	Each emergency light on a MODU must be marked with _____.	the letter "E"	an arrow pointing to the nearest exit	a no smoking symbol	the word 'DANGER'
610	Each EPIRB required on a MODU shall be tested using the integrated test circuit and output indicator every _____.	week	two weeks	month	two months
611	Each EPIRB required on a OSV, other than an EPIRB or SART in an inflatable life raft, shall be tested using the integrated test circuit and output indicator every _____.	week	two weeks	month	two months
612	Each fire hose coupling on a MODU must have threads to meet the specifications of the _____.	American Petroleum Institute	National Standard Fire Hose Coupling	American Society of Mechanical Engineers	Underwriter's Laboratories, Inc.
613	Each fire hydrant is required to have at least one spanner wrench and at least one _____.	hose rack or reel	hammer	foam applicator	pick ax
614	Each fire hydrant serving the machinery spaces of a MODU containing oil fired boilers, internal combustion machinery, or fuel oil units, must be equipped with a _____.	fireman's outfit	low velocity spray applicator	marine strainer	pick axe
615	Each fire pump on a MODU must have a pressure gage located _____.	at the pump discharge	at the manifold connection	at each fire station discharge	at the pump station
616	Each fireman's outfit and its spare equipment on a MODU must be stowed _____.	in a locked cabinet in the machinery space	in an unlocked cabinet in the machinery space	in a separate and accessible location	at a fire hydrant location

ID #	Question	Choice A	Choice B	Choice C	Choice D
617	Each hand portable fire extinguisher carried on a MODU must be marked with _____.	the name of the unit on which it is located	the date that it was installed on the unit	the names of the individuals qualified to use it	an identification number different from other extinguishers on the unit
618	Each hand portable, semi-portable, and fixed fire extinguishing unit on a MODU must be tested and inspected at least once every _____.	six weeks	six months	twelve months	two years
619	Each hose in the fuel transfer system for helicopter refueling must have a _____.	static grounding device	quick-disconnect nozzle	splash guard	vapor recovery system
620	Each hose in the fuel transfer system for helicopter refueling must meet the standards of the _____.	Federal Aviation Administration	Corps of Engineers	National Fire Protection Association	National Transportation Safety Board
621	Each inert gas system gas main must have an automatic shut down valve at the outlet of the gas production plant. This valve must close automatically upon _____.	cargo pump failure	blower failure	deck seal low water level	low inert gas temperature
622	Each inert gas system must be designed to supply the cargo tanks with a gas, or mixture of gases, that has an oxygen content by volume of _____.	5% or less	10% or less	15% or less	20% or less
623	Each inert gas system must be equipped with the following instruments: oxygen concentration indicator and recorder, pressure indicator and recorder, and temperature indicator. The point of measurement for these instruments must be located _____.	after the gas regulating valve	downstream of the blowers	scrubber outlet	upstream of the liquid filled breaker
624	Each life raft container without an indicated maximum stowage height above the waterline, must be stowed at a height not more than _____.	3 meters (10 feet) above the waterline	18 meters (59 feet) above the waterline	indicated on the vessels certificate of inspection	required by the vessels Muster List ("Station Bill")
625	Each life raft container without an indicated maximum stowage height must be stowed at a height not more than _____.	3 meters (10 feet) above the waterline	18 meters (59 feet) above the waterline	indicated on the vessels certificate of inspection	required by the vessels Muster List ("Station Bill")
626	Each operation involving the transfer of oil or oily mixture that requires an entry in the OIL Record Book shall be fully recorded _____.	within 24 hours of completion of the project	within 48 hours of completion of the operation	without delay	within 12 hours of completion of the operation
627	Each OSV must carry _____.	one category 1 406 MHz satellite EPIRB	at least one lifebuoy on each side of the vessel fitted with a buoyant lifeline	at least 12 rocket parachute flares	all of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
628	Each person on a MODU carrying immersion suits must wear the exposure suit in a boat drill, or participate in a drill which includes donning the suit and being instructed in its use at least once every _____.	month	two months	three months	six months
629	Each person on the rig has a designated area to proceed to in the event of a fire. This assignment is shown clearly on the rig's _____.	firefighting plan	shipping articles	Certificate of Inspection	Muster List ("Station Bill")
630	Each personal flotation device light on a MODU that has a non-replaceable power source must be replaced _____.	every six months after initial installation	every 12 months after initial installation	every 24 months after initial installation	on or before the expiration date of the power source
631	Each personal flotation device light on an OSV that has a non-replaceable power source must be replaced _____.	every six months after initial installation	every 12 months after initial installation	every 24 months after initial installation	on or before the expiration date of the power source
632	Each tank ship having an inert gas system must have portable instruments to measure concentrations of hydrocarbon vapor in inert atmospheres. The ship must also carry instruments that can measure concentrations of _____.	nitrogen	oxygen	carbon dioxide	water vapor
633	Each ventilation system for an enclosed classified location on a MODU must provide a complete change of air every _____.	three minutes	five minutes	seven minutes	ten minutes
634	Each vessel in ocean and coastwise service must have an approved EPIRB. An EPIRB _____.	must be stowed in a manner so that it will float free if the vessel sinks	must be stowed where it is readily accessible for testing and use	is a device that transmits a radio signal	all of the above
635	Engines for lifeboats are required to have sufficient fuel to operate for how many hours?	6 hours	12 hours	18 hours	24 hours
636	Epilepsy is a chronic nervous disorder characterized by _____.	severe nausea and cramps	muscular convulsions with partial or complete loss of consciousness	sudden thirst and craving for candy	severe agitation and desire to get out of close spaces
637	Error may be introduced into a magnetic compass by _____.	making a structural change to the vessel	a short circuit near the compass	belt buckles	All of the above
638	Ethylene oxide has a lower explosive limit of 2.0% and an upper explosive limit of 100% by volume in air. This means _____.	there is no possible ethylene oxide concentration in air which is too lean to burn	there is no possible ethylene oxide concentration in air which is too rich to burn	an ethylene oxide spill always results in an explosion	a 2.0% concentration of ethylene oxide in air would give a reading of 2.0% on a combustible gas indicator
639	Except in rare cases, it is impossible to extinguish a shipboard fire by _____.	removing the heat	removing the oxygen	removing the fuel	interrupting the chain reaction

ID #	Question	Choice A	Choice B	Choice C	Choice D
640	Except in rare cases, the most difficult condition to modify when fighting an oil fire in the engine room bilge would be _____.	removing the fuel	removing the heat	interrupting the chain reaction	removing the oxygen
641	Excessive free surface occurring in tanks carrying liquid cargo should be avoided in order to _____.	maintain hog and sag	maintain good stability	prevent oil pollution	all of the above
642	Excessive recirculation of inert gas is _____.	highly recommended	undesirable and it may lead to high oxygen content of the inert gas	likely to over pressurize the cargo tanks	likely to over heat the deck water seal
643	Exemption or partial exemption from compliance with any requirement in the Oil or Hazardous Material Pollution Prevention Regulations prescribed in (33 CFR 155) may be granted by the _____.	OCMI in the vessel's home port	Captain of the Port	Commandant of the Coast Guard	vessel's Chief Engineer
644	Explosive and flammable gases are most likely to be encountered on a MODU _____.	in machinery spaces	on the drill floor and liquid mud handling areas	in bulk storage tanks	at any location
645	Extinguishing an oil fire when using foam is a result of _____.	cooling	dampening	smothering	vapor absorption
646	Extra chemicals maintained aboard the vessel for producing chemical foam, should be stored _____.	in a freezer	in a cool dry place	at a temperature not less than 80°F	in open bins
647	Fighting an oil rig fire in a watertight compartment with hoses could reduce the stability of the rig by _____.	progressive down flooding	reducing the level of drill water from the storage tanks	causing a list due to the water in the compartment	reducing the KG to minimum allowable
648	Fighting an oil rig fire in the ballast pump room with hoses would adversely affect the stability of the rig most by _____.	increasing the permeability of the pump room	reduction of drill water from the storage tanks	a list caused by water filling the compartment	A reduced KG caused by water filling the compartment
649	Fire and lifeboat stations are required to be listed on the _____.	ship's articles	muster list	bunk card	forecastle card
650	Fire and lifeboat stations are required to be listed on the _____.	ship's articles	manning list	official log book	Muster List ("Station Bill")
651	Fire axes required on MODUs must be stored in the enclosure for fire hoses with the location marked '_____.'	Fire Axe Location	Hose Station No. _____	Fire Station No. _____	Firefighting Equipment
652	Fire dampers installed in the ships galley ventilation system, which automatically close during a fire, are normally operated by the use of a _____.	remote operated valve	fusible link	CO2 system pressure switch	heat or smoke detector
653	Fire dampers prevent the fire spreading through the process of _____.	convection	conduction	radiation	direct contact
654	Fire detecting systems on merchant vessels may be arranged to sense _____.	smoke	rate of temperature rise	ionized particles	all of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
655	Fire doors are released by a/an _____.	hydraulic directional valve that automatically releases the door in the event of a disruption to the control power system	spring-loaded catch that automatically lifts to release the door in the event of the presence of a fire	method that automatically releases the door in the event of a disruption of control system power	pneumatic heat sensor
656	Fire extinguishers designated as size III, IV, and V are considered _____.	portable units	semi-portable units	fixed systems	disposable units
657	Fire extinguishers designated by the Roman numerals I and II are _____.	hand-portable units	semi-portable units	fixed systems	compact systems
658	Fire extinguishers used on MODUs are indicated by size using the designators "I" through "V", with "I" being _____.	used for electrical fires only	the smallest size	the most accessible size	the most effective size
659	Fire fighting agents, such as Halon and Purple K, suppress the fire by _____.	dissipating heat	breaking the chain reaction	removing the fuel	all of the above
660	Fire hose can be used for purposes other than firefighting service when _____.	used for portable water service	used for drills and testing	determined by the Chief Engineer	approved by OCMI
661	Fire hose should always be stowed at the fire station in the hose rack _____.	after the hose has been completely drained	with the nozzle in the solid stream position	so the hose can be connected quickly if a fire occurs	so the nozzle is protected by the hose
662	Fire hoses located at protected fire stations, must always be _____.	connected to the fire hydrant	capped on the ends for protection	supplied with a smooth bore nozzle	open to the air to prevent rot
663	Fire hoses should always be stowed at the fire main in a manner which will allow _____.	all sections to be quickly connected	the nozzle end to be run out to the fire	all sections to be quickly drained	the nozzle and fittings to be easily and quickly inspected
664	Fire hydrant valves on a crude oil tanker shall be isolated from the crude oil washing system by _____.	spade blanks	face blanks	non-return valves	automatic closing valves
665	Fire main outlet valves or hydrants located on exposed decks shall be _____.	behind glass or a suitably marked enclosure	protected against freezing or be fitted with cutout valves and drain valves	opened up and internally examined at each Coast Guard biannual inspection for certification	all of the above
666	Fire main outlet valves, or hydrants shall be installed _____.	in screened enclosures in all passageways	where they are protected from the weather	in a protected location to prevent cargo damage	pointing downward or horizontal to prevent kinking of the fire hose
667	Fire main shore connections on a 1,000 gross ton cargo vessel are required by Coast Guard Regulations (46 CFR) to be provided with _____.	suitable adapters to mate shore fire line couplings	at least two shore connections on each side of the vessel	connections for 2 inch fire hose only	exterior "Y" connections for 1 1/2 inch fire hose only

ID #	Question	Choice A	Choice B	Choice C	Choice D
668	Fire prevention during welding or burning aboard any vessel should include _____.	posting a fire watch in the immediate area	providing an extinguisher which is ready for immediate use	requiring the fire watch to remain on post for an adequate cool down period after the completion of welding or burning	All of the above.
669	Firefighting foam is only effective when the foam _____.	penetrates to the bottom of the fire	is kept saturated with low velocity water fog	mixes with the burning fuel oil	completely covers the top of the burning liquid
670	Fires are grouped into which of the listed categories?	Class A, B, C, and D	Type 1, 2, 3, and 4	Combustible solids, liquids, and gases	Flammable solids, liquids, and gases
671	Fires involving combustible metals are classified as _____.	class "A" fires	class "B" fires	class "C" fires	class "D" fires
672	Fires occurring in combustible metals, such as sodium or magnesium, are classified as a _____.	class A	class B	class C	class D
673	Fires resulting from "spontaneous combustion" are usually caused by the improper disposal of _____.	cigarette butts	oily rags	burner torches	lighted matches
674	Fires resulting from escaping liquefied flammable gases are generally extinguished by _____.	cooling below the ignition point	cutting off the oxygen supply	stopping the flow of gas	interrupting the chemical chain reaction
675	First aid means _____.	medical treatment of accident	setting of broken bones	emergency treatment at the scene of the injury	dosage of medications
676	First aid treatment for battery acid or alkali burns, especially in the eyes, includes _____.	flushing with large amounts of fresh water and seeking medical attention ashore or by radio	wiping the affected area with a clean dry cloth and resting quietly for several hours	drying the acid or alkali with a rag followed by applying a light cream	all of the above may be acceptable treatments depending on the severity of the burn
677	First aid treatment for small cuts and open wounds is to _____.	stop the bleeding, clean, medicate, and cover the wound	lay the patient down and cover the wound when the bleeding stops	apply an ice pack to the wound and cover it when the bleeding stops	apply a hot towel to purge the wound, then medicate and cover it
678	First aid treatment for small cuts and open wounds should be to _____.	have the patient lie down and cover the wound when the bleeding stops	stop the bleeding, clean, medicate, and cover the wound	apply an ice pack to the wound and cover it when the bleeding stops	apply a hot towel to purge the wound, then medicate and cover it
679	First, second, and third degree burns are classified according to _____.	area of the body burned	source of heat causing the burn	layers of skin affected	size of the burned area
680	Fixed carbon dioxide extinguishing systems for machinery spaces are actuated by one control operating the stop valve leading to the space and _____.	the same control releasing the CO2	a separate control releasing the CO2	two separate controls to release the CO2	three separate controls to release the CO2

ID #	Question	Choice A	Choice B	Choice C	Choice D
681	Flame screens must be maintained in good condition and fitted in the opening they protect in order to _____.	prevent flammable vapors from entering the tank	allow the escape of flammable vapors	contain flammable vapors within the tank	allow dissipation of heat from any flame
682	Flame screens must be maintained in good condition and fitted properly in the vent opening they protect in order to _____.	prevent flammable vapors from entering the tank	allow the escape of flammable vapors	contain flammable vapors within the tank	allow proper dissipation of heat from a flame
683	Flame screens used on ullage openings prevent flames from entering a tank by _____.	reducing the cross-sectional area of the opening	restricting the flow of gases through the opening	creating turbulence in the exiting gas stream	dissipating heat from the flame into the surrounding metal
684	Flooding of any compartment in a ship, resulting in a serious loss of reserve buoyancy, will always _____.	increase ship stability	reduce ship stability	cause a serious permanent list	decrease the heeling moment
685	Flooding of any ship's compartment, resulting in a serious loss of reserve buoyancy, will always _____.	increase the trim	change the free surface effect	decrease ship stability	cause a serious list
686	Foam extinguishes a fire by _____.	destroying the burning materials	chemical reaction with the burning material	absorbing the burning material	smothering the burning material
687	Foam is a very effective smothering agent, in addition _____.	it provides cooling as a secondary effect	works well on extinguishing electrical fires	can be used to combat combustible metal fires	all of the above
688	Foam is effective in combating which of the listed classes of fire?	Class A	Class B	Classes A and B	Classes B and C
689	Foam tends to extinguish a fire by _____.	chemically absorbing the oxygen	smothering the burning material	chemically absorbing the burning material	releasing large amounts of carbon dioxide
690	Following a grounding, you can best determine that a SLACK fuel oil tank has been holed by _____.	sounding the tank	waiting for the vessel to list	examining tank boundaries	checking fuel oil strainers
691	Following an engine room bilge fire which is believed to be extinguished after using a fixed CO2 fire extinguishing system, the investigating team should reenter the closed space _____.	no sooner than 15 minutes after the fire is believed extinguished	via the lowest access door	via the lowest access door and equipped with SCBAs no sooner than 30 minutes after the fire is believed extinguished	via the highest access door and equipped with SCBAs, one hour after the fire is believed extinguished
692	For a floating MODU, the center of buoyancy and the metacenter are in the line of action of the buoyant force _____.	only when there is positive stability	only when there is negative stability	only when there is neutral stability	at all times
693	For a MODU not on an international voyage, an approved substitute for an impulse projected rocket type line throwing appliance is a _____.	spring-loaded line thrower	hand thrown buoyant line	shoulder type throwing gun	heaving line

ID #	Question	Choice A	Choice B	Choice C	Choice D
694	For a MODU with a list, a decrease in 'GMT' will cause the angle of inclination to _____.	stabilize at an angle of loll	decrease	increase	remain constant
695	For a MODU with a list, an increase in 'GMT' will cause the inclination to _____.	stabilize at an angel of loll	decrease	increase	remain constant
696	For a MODU with longitudinal inclination, an increase in 'GML' causes _____.	list to stabilize at an angle of loll	trim to stabilize at an angle of loll	trim to increase	trim to decrease
697	For a MODU with transverse inclination, an increase in 'GMT' causes _____.	list to stabilize at an angle	list to decrease	trim to decrease	list to increase
698	For a MODU with trim, a decrease in 'GMT' will cause the angle of inclination to _____.	increase	decrease	remain constant	stabilize at an angle
699	For a MODU with trim, an increase in 'GMT' will cause the inclination to _____.	stabilize at an angle of loll	decrease	increase	remain constant
700	For a OSV not on an international voyage, an approved substitute for an impulse projected rocket type line throwing appliance is a _____.	spring-loaded line thrower	hand thrown buoyant line	shoulder type throwing gun	heaving line
701	For a ship of 10,000 gross tons, constructed after 30 June 1974, a fixed container, or enclosed deck area, must exist under or around each fuel oil tank vent. The container must have a capacity of at least _____.	5 gallons (18.9 l)	10 gallons (37.8 l)	21 gallons (79.5 l)	42 gallons (158.9 l)
702	For a vessel with a block coefficient of 1, the addition of weight at the center of flotation will _____.	increase the forward draft and decrease the after draft	decrease the forward draft and increase the after draft	have no effect on the trim	have no effect on the stability
703	For a victim who is coughing and gagging, as a result of a partial obstruction of the airway by a foreign body, a rescuer should _____.	immediately give the victim four abdominal thrusts and four back blows	wait for the victim to become unconscious then give them four back blows	not interfere, but should encourage the victim to cough till the restriction is cleared	bend the victim over and give them four back blows
704	For all loading operations, the terminal must supply the vessel with a means in which the vessel's designated person-in-charge may stop the flow of oil to the vessel, insuring immediate shutdown in the event of a hose rupture, tank overflow, etc. This means of control may be activated _____.	electrically	pneumatically or mechanically	via a communications device used for no other purpose	All of the above.
705	For an upright vessel, draft is the vertical distance between the keel and the _____.	waterline	freeboard deck	Plimsoll mark	amidships section
706	For small first degree burns the quickest method to relieve pain is to _____.	immerse the burn in cool water	administer aspirin	apply petroleum jelly	apply a bandage to exclude air
707	For the best extinguishing effect, the discharge from a dry chemical type fire extinguisher should be directed at the _____.	base of a fire	top and sides of a fire	above the flames of the fire	highest flames in a fire

ID #	Question	Choice A	Choice B	Choice C	Choice D
708	For the protection of personnel, moving parts of rotating machinery are required to be fitted with _____.	audible alarms	bright lights	reflective tape	cover guards
709	For the purpose of training and drills, rescue boats on an OSV should be launched if reasonable and practicable _____.	once a week	once a month	once a year	twice a year
710	For the safety of personnel working with fire hoses, fire pumps are fitted with a/an _____.	butterfly valve on the discharge side	air priming valve on the impeller housing	automatic suction valve shut off	pressure gage and relief valve on the discharge side
711	For typical crude oils, approximate values for the lower flammable limit and upper flammable limit, would be in the range of _____.	1% and 11%	12% and 23%	24% and 38%	39% and 50%
712	For use as protection from gas leaking from a refrigeration unit, each MODU must be equipped with a _____.	portable ventilation system	flame safety lamp	self-contained breathing apparatus	gas mask
713	For which of the listed classes of fire combinations would carbon dioxide be most suitable as the extinguishing agent?	Class "A" and class "B"	Class "B" and class "C"	Class "A" and class "C"	Class "C", class "D", and class "E"
714	Forces within a mobile offshore drilling unit have caused a difference between the starboard and port drafts. This difference is _____.	list	heel	trim	flotation
715	Frapping lines _____.	secure the lifeboat in the davits when in the stowed position	bring the lifeboat close alongside the rail in the embarkation position	give the occupants a safety line when the boat is being lowered from the embarkation level	reduce the swinging of the lifeboat at the embarkation level
716	Frapping lines are fitted to lifeboat davits to _____.	reduce the swinging of the lifeboat as it is being lowered from the embarkation level	secure the lifeboat in the davits when in the stowed position	allow the bow and stern to be lowered evenly	be used as a safety line in an emergency
717	Free surface effect occurring in partially filled cargo or fuel storage tanks on board a vessel should be avoided to _____.	reduce hogging and sagging	maintain vessel stability	prevent oil pollution	all of the above
718	Fuel oil and bulk lubricating oil discharge containment on a 200 gross ton ship (constructed before July 1, 1974) may consist of a/an _____.	fixed container with a capacity of 5 U.S. gallons (19 l)	enclosed deck area with a capacity of 5 U.S. gallons (19 l)	fixed container with a capacity of one-half barrel (.08 m3)	overflow manifold that empties into the day tank
719	Fuel oil tank vents are fitted with a corrosion resistant wire mesh screen to _____.	prevent dirt from entering the tank	dissipate fumes leaving the vent	prevent flames from entering the tank	prevent accidental overflow
720	Fuel oil tank vents are fitted with corrosion resistant screens to prevent _____.	flames entering through the tank vent	escape of flammable vapors	corrosion in the tank vent	damage to the ball check
721	Fuel oil tank vents must be fitted with corrosion resistant screens to prevent _____.	escape of flammable vapors	entry of sea water	flames entering the tank	damage to the ball check

ID #	Question	Choice A	Choice B	Choice C	Choice D
722	Fuel tanks should never be filled by cascading liquid through an open hatch or manhole because _____.	excessive fuel vapors will be released	static electricity could be generated by fuel falling through vapor-laden air	spillage of fuel could occur with an open hatch	water contamination of the fuel could occur
723	Fusible link fire dampers are operated by _____.	a mechanical arm outside the vent duct	electrical controls on the bridge	the heat of a fire melting the link	a break-glass and pull-cable system
724	Gasoline is a flammable liquid whose vapors are _____.	heavier than air	toxic	highly explosive	all of the above
725	Generally, what is used to inflate life rafts?	non-toxic inert gas	Oxygen	Hydrogen	Carbon monoxide
726	Generally, when lifting an inflatable life raft back aboard ship, you would use the _____.	towing bridle	main weather cover	external lifelines	righting strap
727	Generally, when lifting an inflatable life raft back aboard ship, you would use the _____.	towing bridle	main weather cover	external lifelines	righting strap
728	Generally, which of the following gases is used to inflate life rafts?	CO2	Oxygen	Hydrogen	Compressed air
729	Generally, which of the following gases is used to inflate life rafts?	CO2	Oxygen	Hydrogen	Compressed air
730	'GM' cannot be used as an indicator of stability at all angles of inclination because _____.	"M" is not fixed at large angles	there is no "M" at large angles	"G" is not fixed at large angles	there is no "G" at large angles
731	Good housekeeping on a vessel prevents fires by _____.	allowing better access in an emergency	eliminating potential fuel sources	eliminating trip hazards	improving personnel qualifications
732	Halogenated fire extinguishing agents such as Halon 1301 extinguish fires by _____.	cooling	producing excess CO2	breaking the chain reaction	foaming action
733	Halon 1301 enters the fire area as a _____.	powder	gas	pellet	glassy slag
734	Halon extinguishers used on a class "C" fire should be directed at the _____.	base of the equipment	top of the equipment	power source	source of the fire
735	Hand holds or straps on the underside of an inflatable life raft are provided _____.	to right the raft if it capsizes	to carry the raft around on deck	for crewman to hang on to	to hang the raft for drying
736	Handholds or straps on the underside of an inflatable life raft are provided _____.	to right the raft if it capsizes	to carry the raft around on deck	for crewmen to hang on to	to hang the raft for drying
737	Handholds or straps on the underside of an inflatable life raft are provided _____.	to right the raft if it capsizes	to carry the raft around on deck	for crewmen to hang on to	to hang the raft for drying
738	Hazardous conditions exist which may result in spontaneous combustion when _____.	oil soaked rags are stowed in the machine shop	powdered aluminum is stowed dry	dry metal turnings accumulate	all of the above
739	Heat exhaustion is caused by excessive _____.	loss of body temperature	loss of water and salt from the body	gain in body temperature	intake of water when working or exercising
740	Heat exhaustion is caused by excessive _____.	loss of body temperature	loss of water and salt from the body	gain in body temperature	intake of water when working or exercising

ID #	Question	Choice A	Choice B	Choice C	Choice D
741	Heave is the motion of a vessel along the _____.	longitudinal axis	transverse axis	vertical axis	centerline axis
742	High concentrations of hydrogen sulfide gas are most dangerous to personnel because inhaling this gas can _____.	cause involuntary skeletal muscle contractions	paralyze your breathing system	cause eye inflammation	cause dizziness
743	High concentrations of hydrogen sulfide gas are most dangerous to personnel because they can _____.	cause involuntary skeletal muscle contractions	paralyze your breathing system	cause eye inflammation	cause dizziness
744	Highly toxic concentrations of hydrogen sulfide gas are most likely to be found in which of the locations listed?	Fire room bilges where hydrazine has accumulated.	Sewage compartment bilges where leaked sewage has accumulated.	Engine room bilges where chemical cleaners and solvents have accumulated.	Emergency battery storage compartment where discharge gases have accumulated.
745	Horizontal fore or aft motion of a vessel while underway is known as _____.	pitch	surge	sway	roll
746	Horizontal transverse motion of a vessel is known as _____.	pitch	surge	sway	heave
747	Hose spanner wrenches should be used to connect _____.	fire hoses to fire hydrants	hose spreaders for attaching new fittings	two female hose couplings	two male hose couplings
748	How are solid materials kept from fouling a fire hose nozzle?	Using a Cadmium Chloride coating.	Use of in-line system strainers.	Replacement of valve seats at each fire main station.	Periodic shutdown and backflush of fire main.
749	How can the build up of static electricity be prevented so that a static spark does not ignite flammable vapors?	Each machine and hose involved in the operation should be grounded.	All electrical circuits near and around the fueling operations should be opened.	A dehumidifier used in spaces containing flammable liquids will significantly reduce the possibility of static charges being generated.	Static neutralizers can be used to reduce ionization in the air.
750	How does an inert gas system on a tanker function to prevent explosions in cargo tanks?	De-energizes the "charged mist" effect.	Maintains a positive pressure on the vent header to cool the flammable vapors.	Inert gas filters out the flammable vapors from the cargo tank spaces.	Inert gas dilutes the flammable vapor and air concentrations to keep them below the lower explosive limit.
751	How is the external flotation bladder of an immersion suit inflated?	It is inflated by a small CO2 bottle that is automatically tripped when the front zipper is at the top of zipper track.	It is inflated by a small CO2 bottle that is manually tripped.	It is inflated by blowing through an inflation tube.	It inflates by sea water bleeding into the flotation bladder and reacting with a chemical.

ID #	Question	Choice A	Choice B	Choice C	Choice D
752	How is the external flotation bladder of an immersion suit inflated?	It is inflated by a small CO2 bottle that is automatically tripped when the front zipper is at the top of zipper track.	It is inflated by a small CO2 bottle that is manually tripped.	It is inflated by blowing through an inflation tube.	It inflates by sea water bleeding into the flotation bladder and reacting with a chemical.
753	How many approved B-II fire extinguishers must be carried in the machinery space of a 3000 HP vessel?	1	2	3	7
754	How many degrees are there on a compass card?	360°	380°	390°	420°
755	How many fireman's outfits are required on a MODU?	1	2	3	4
756	How many miles out to sea must a vessel be located before it can pump overboard an untreated sewage holding tank?	3 nautical miles	6 nautical miles	12 nautical miles	25 nautical miles
757	How many people onboard a MODU must be trained in the use of the fireman's outfit?	one person	two people	three people	four people
758	How may a cargo tank atmosphere be tested for explosive gases?	Use the open flame test on a small sample that has been taken from the tank.	Send a gas sample ashore for laboratory analysis.	Enter the tank with a teledyne oxygen analyzer.	Use an explosimeter.
759	How much warning must be provided by the CO2 warning alarm before CO2 is discharged into a space?	5 seconds	10 seconds	15 seconds	20 seconds
760	How often are fire hoses required to be tested on a mobile offshore drilling unit?	Once a week.	Once a month.	Once a year.	During each drill.
761	How often is the line throwing appliance required to be tested on a mobile offshore drilling unit?	Once a month	Once a year	Once a week	Once every four months
762	How often is the line throwing appliance required to be tested on an OSV ?	Once a month	Once a year	Once a week	Once every four months
763	How often must fixed CO2 fire extinguishing systems be inspected to confirm the cylinders are within 10% of the stamped full charge weight?	Quarterly.	Semiannually.	Annually.	Biannually.
764	How often must the emergency generator be tested on a mobile offshore drilling unit?	Once each day	Once each week	Once each month	Once each year
765	Hydrocarbon vapors are usually detected by the use of the _____.	flame safety lamp	combustible gas indicator	gasometer	oxygen indicator

ID #	Question	Choice A	Choice B	Choice C	Choice D
766	Hydrogen sulfide gas (H ₂ S) is highly toxic and has a characteristic odor of rotten eggs. The sense of smell cannot always be depended upon to detect hydrogen sulfide gas because _____.	it has a smell similar to petroleum products	the gas is odorless in any concentration	it also tends to numb the sense of smell after initial exposure	it is better to rely on eye irritation as a detector
767	Hydrogen sulfide gas has an odor of "rotten eggs" and can be extremely toxic and dangerous when above threshold limit values because _____.	it will paralyze the respiratory system and cause suffocation	it is lighter than air	it is an extremely inert gas	all of the above
768	Hydrogen sulfide gives crude oil the sour odor of rotten eggs. A hazard to personnel regarding hydrogen sulfide is _____.	dizziness	asphyxiation	death	All of the above
769	Hydrogen sulfide in explosive concentrations has been detected on the drill floor. The abandon rig signal has been sounded. To evacuate the rig, the crew should use _____.	all survival capsules and life rafts	only the leeward survival capsules and life rafts	only the windward survival capsules	only the windward life rafts
770	Hydrogen sulfide is the constituent giving sour crude oil the characteristic odor of rotten eggs. One of the hazards associated with hydrogen sulfide is _____.	chemical burning of the skin	irritation of the intestinal tract	its high toxicity resulting in death	dependency addiction to the highly toxic fumes
771	If 1/4 liter of oil is spilled during fueling and causes a sheen upon the water, it _____.	must be reported to the fire department	must be reported to the Coast Guard	must be reported to the harbormaster	need not be reported since the spill was less than 1 barrel
772	If a boiler has been laid up dry for an extended period, it will be unsafe to enter the steam and water drum immediately after it has been opened, as there may be _____.	insufficient oxygen to support life	a heavy concentration of sewer gas	excessive carbon dioxide in the drum	toxic gases from organic decomposition
773	If a crew member faints, you should _____.	lay him down with his head slightly raised	administer a liquid stimulant	lay him down with his head lower than his feet	attempt to stand him upright to restore consciousness
774	If a crewman suffers a second degree burn on the arm, you should _____.	drain any blisters	apply antiseptic alcohol on the burn area	scrub the arm thoroughly to prevent infection	immerse the arm in cool water
775	If a cup of oil is spilled during fueling and causes a sheen upon the water it _____.	must be reported to the fire department	must be reported to the Coast Guard	must be reported to the harbormaster	need not be reported since the spill was less than 250 barrels
776	If a diabetic suffers an insulin reaction and is conscious, he should be given _____.	soda crackers and water	orange juice or a candy bar	a cup of warm tea	a glass of milk
777	If a diabetic suffers an insulin reaction and is conscious, he should be given _____.	soda crackers and water	orange juice or a candy bar	an ounce of whiskey	a glass of milk

ID #	Question	Choice A	Choice B	Choice C	Choice D
778	If a fire broke out in an automation console, you would first secure the power and then proceed to use which of the listed hand portable fire extinguishers?	Soda acid	Dry chemical	CO2	Foam
779	If a fire hose is left unattended and under pressure with the nozzle shut off, the fire hose will _____.	burst under pressure	lash about violently	remain motionless	become elongated by 125%
780	If a fire ignites in the engine room as a result of a high pressure fuel oil leak, you should FIRST _____.	secure the ventilation	find a soda acid extinguisher	shut off the fuel oil supply	secure the generator
781	If a fire occurs in an electric cable, in which the inner layers of insulation have burned, you should FIRST _____.	secure power to the cable	cut the cable with a cable cutter	insulate the melted ends	remove the electrical load on the cable
782	If a fire occurs in the boiler room as a result of a leaking fuel line, you should FIRST _____.	notify the engineer on watch	isolate and secure the piping	throw sand on the fire	extinguish the fire using a combination nozzle with applicator
783	If a fire occurs in the fire room as a result of fuel oil leaking from the boiler fuel oil manifold, the FIRST action taken should be to _____.	pressurize the fire main	activate the CO2 system	secure the fuel supply	sound the general alarm
784	If a fixed fire extinguishing system is installed on any vessel, it must be of a type approved by the _____.	National Fire Protection Association	U.S. Coast Guard	American Bureau of Shipping	Marine Fire Protection Guild
785	If a fixed foam firefighting system on a MODU is not of the premix type, a sample of the foam liquid must be tested by _____.	a Coast Guard inspection officer	the safety man aboard the unit	the designated person-in-charge of the unit	the manufacturer, or his authorized representative
786	If a hydrostatic release mechanism for an inflatable life raft is not periodically serviced and becomes inoperable, it will fail to _____.	set the water lights on the immersion	release the dye maker from the life raft	free the life raft from the vessel	break the seal on the carbon dioxide cylinder
787	If a leak in a fueling hose coupling cannot be stopped by tightening the coupling joint, you should _____.	reduce the pumping pressure to reduce the leakage rate	stop the fueling operation and correct the leak	spread absorbent material on deck beneath the leak in order to confine it	notify the local port authority of a potential oil spill
788	If a leak in an oil hose coupling cannot be stopped by tightening the coupling bolts, you should _____.	notify the Coast Guard of a potential pollution incident	reduce the pumping pressure to reduce the leakage rate	spread absorbent material on deck beneath the leak	stop transfer operations and renew the gasket
789	If a leak in an oil hose coupling cannot be stopped by tightening the coupling bolts, you should _____.	notify the Coast Guard of a potential oil spill	reduce pumping pressure to reduce the leakage rate	spread absorbent material on deck beneath the leak	notify the terminal operator, then shutdown and repair the leak
790	If a life raft should capsize, _____.	climb onto the bottom	swim away from the raft	right the raft using the righting straps	inflate the righting bag

ID #	Question	Choice A	Choice B	Choice C	Choice D
791	If a mixture containing air and a concentration of flammable vapor, is capable of ignition when exposed to a spark or other source of ignition, it is said to be _____.	in the flammable range	at the rich point limit	at the auto ignition point	above the upper explosive limit
792	If a mobile offshore drilling unit has four hand portable fire extinguishers that can be recharged by personnel on the unit, how many spare charges must be carried?	1	2	3	4
793	If a MODU takes a sudden severe list or trim from an unknown cause, you should first _____.	determine the cause before taking countermeasures	assume the shift is due to off center loading	counter flood on the side opposite the list or trim	assume the cause is environmental forces
794	If a person gets battery acid in their eye while filling a battery, they should FIRST wash the eye with _____.	boric acid solution	water	baking soda solution	ammonia
795	If a person gets something in his eye and you observe that it is not embedded, you can _____.	get him to rub his eye until the object is gone	remove it with a match or toothpick	remove it with a piece of dry sterilized cotton rag	remove it with a moist cotton-tipped applicator
796	If a person gets something in his or her eye and you see that it is not embedded, you can _____.	get them to rub their eye until the object is gone	remove it with a match or toothpick	remove it with a moist, cotton-tipped applicator	remove it with a piece of dry sterile cotton
797	If a person is unconscious as a result of an electric shock, you should first remove the victim from the electrical source and then _____.	administer ammonia smelling salts	check for serious burns on the body	determine if he/she is breathing	massage vigorously to restore circulation
798	If a person suffering from possible broken bones and internal injuries is correctly being administered first aid, what statement is true?	The person should be examined on the scene and then walked to a bunk to await the arrival of medical assistance.	The person should be moved from the scene but not allowed to walk on their own power without assistance.	The person should not be allowed to lie down where injured but should be moved to a chair or bunk.	The person should not be moved (unless remaining on the scene is unsafe), but made comfortable until medical assistance arrives.
799	If a person suffers a simple fracture of a limb, you should _____.	attempt to set the fracture	prevent further movement of the bone	apply a tourniquet without delay	alternately apply hot and cold compresses
800	If a person was an unconscious victim of a severe electrical burn, you would check for breathing, pulse, and _____.	look for a second burn, which may have been caused by the current leaving the body	locate the nearest water source and flood the burn with water for five minutes	remove any charred skin from the burned area	apply alcohol to the burn area as a disinfectant
801	If a person with diabetes has been injured, the symptoms of the onset of a diabetic coma would include _____.	reduced appetite and thirst	sneezing and coughing	excessive thirst and fever	slurred speech and loss of coordination

ID #	Question	Choice A	Choice B	Choice C	Choice D
802	If a portable carbon dioxide fire extinguisher has been partially discharged, it should be immediately _____.	tagged and restowed properly in its rack	weighed and the charge loss recorded before being returned to its rack	given to the chief engineer for recharging	tagged 'empty' and stowed separately from charged extinguishers
803	If a raft is to be released manually, where should the operating cord be attached before throwing the raft overboard?	Do not attach the cord to anything but throw it overboard with the raft container.	To some fixed object on the ship.	Stand on it with your foot.	To the special pad eye on the 'raft davit launcher'.
804	If a ship is supported on the crest of a wave amidships, the vessel is subjected to _____.	pitch poling	hogging stresses	sagging stresses	yawing stresses
805	If a small fire initially breaks out in the engine room bilges, in which of the following sequences should the fire extinguishing agents or systems be used?	Fixed CO2, semi-portable CO2, then hand portable CO2.	Semi-portable CO2, fixed CO2, then hand portable CO2.	Hand portable, semi-portable CO2, then as a last resort the fixed CO2 system.	Hand portable, fixed CO2, then as a last resort the semi-portable CO2.
806	If a vessel has four hand portable fire extinguishers that can be recharged by personnel onboard, how many spare charges must be carried?	1	2	3	4
807	If a vessel initially has no list and no significant trim, which of the developments shown in the illustration will result in the greatest list?	A	B	C	D
808	If a vessel loses its reserve buoyancy, it will _____.	float upright with the main deck awash	capsize and float on its side	remain unaffected if the hull remains intact	most likely sink
809	If a vessel moored at a U.S. terminal does not comply with Coast Guard Pollution Prevention Regulations (33 CFR), it may be detained by the _____.	Inspector General	Captain of the Port	local port authority	state pollution board
810	If a vessel rolls to the starboard side, and there are no movable or moving weights onboard, the center of gravity will _____.	move to port	move to starboard	move directly down	stay in the same position
811	If a victim is unconscious, you should first look for evidence of _____.	high fever	head injury	broken limbs	irregular breathing
812	If accidents are considered as an 'unexpected contact', you will be able to perform a better job by observing which of the following practices?	Looking for unsafe practices.	Inspecting for unsafe conditions.	Analyzing jobs for safer methods.	All of the above.
813	If additional weight is placed on the main deck of the vessel shown in the illustration _____.	K will rise	KB will go down	GM will increase	G will rise
814	If an electric motor catches fire, you should first _____.	use a CO2 extinguisher	cool the motor with air	remove the load	de-energize the circuit

ID #	Question	Choice A	Choice B	Choice C	Choice D
815	If an emergency pump control is used as the emergency shutdown on a tank vessel, it must stop the flow of oil through _____.	the main deck manifold	the facility	the pump	a means that is not dependant on electrical power
816	If an incorrect entry were made in the Oil Record Book, you should _____.	erase the entry and rewrite it	notify the ship's officer-in-charge	completely black it out and make the correct entry alongside	draw a single line through the wrong entry and initial it
817	If an inflatable life raft inflates upside down, you can right it by _____.	pushing up on one side	standing on the CO2 bottle, holding the bottom straps, and throwing your weight backwards	getting at least three or four men to push down on the side containing the CO2 cylinder	doing nothing; it will right itself after the canopy supports inflate
818	If an inflatable life raft is overturned, it may be righted by _____.	filling the stabilizers on one side with water	releasing the CO2 cylinder	pushing up from under one end	standing on the inflating cylinder and pulling on the straps on the underside of the raft
819	If an inflatable life raft is overturned, it may be righted by _____.	filling the stabilizers on one side with water	releasing the CO2 cylinder	pushing up from under one end	standing on the inflating cylinder and pulling on the straps on the underside of the raft
820	If an oil spill occurs on deck, you should _____.	cover the area with foam	cover the area with absorbent material	wash down immediately with a fire hose	wash down immediately with an oil dispersing solvent
821	If deck cargo is carried, it should be stowed so that it _____.	is not higher than 12 inches above the deck	does not block access to the fire station hydrant	will cover less than 25 percent of deck space	will be easily visible from the bridge
822	If diesel fuel vapors in a compartment are considered to be within the flammable range _____.	the vapor air mixture is too rich to burn	an explosion may occur if a source of ignition is present	the vapor air mixture is too lean to burn	the upper explosive limit has been exceeded
823	If double bottom fuel tank levels are found to have increased after a ships grounding, you should suspect _____.	a damaged pneumatic line	a puncture, crack, or hole in the skin of the vessel	improper record keeping of fuel transfer activities	contamination of the contaminated steam supply system
824	If emergency welding repairs must be made to the upper area of a fuel tank, the tank and/or adjacent compartments may need to be _____.	gas freed	inerted	filled with water	all of the above as necessary
825	If flammable liquids are being pumped with a centrifugal pump, you should _____.	stop the pump immediately if it becomes vapor bound	throttle the discharge valve to assure positive pumping	throttle the suction valve to control capacity	gag relief valves to prevent recirculating and heating of the liquid

ID #	Question	Choice A	Choice B	Choice C	Choice D
826	If flammable liquids are being pumped with a centrifugal pump, you should _____.	stop the pump immediately if it becomes vapor bound	throttle the discharge valve to assure positive pumping	vent the pump casing continuously to expel vapors	gag relief valves to prevent recirculating and heating of the liquid
827	If flammable vapors have penetrated a gas free space, which of the following actions would be the most hazardous to perform?	Opening switches in the space to de-energize circuits.	Closing switches adjacent to the space to operate vent fans.	Leaving electrical circuits energized in the space.	Securing all power to the space from a remote location.
828	If for any reason it is necessary to abandon ship while far at sea, it is important for the crew members to _____.	separate from each other as this will increase the chances of being rescued	get away from the area because sharks will be attracted to the vessel	immediately head for the nearest land	remain together in the area because rescuers will start searching at the vessel's last known position
829	If fuel is burned from only the starboard tanks, the ship will _____.	go down by the head	list to starboard	trim by the stern	list to port
830	If fuel oil is burned from the port side tanks alone, the ship will _____.	go down by the head	list to starboard	trim by the stern	list to port
831	If fuel tank levels are found to have increased after a grounding, you should suspect _____.	a damaged pneumercator line	a puncture, crack, or hole in the skin of the vessel	improper record keeping of fuel transfer activities	contamination of the contaminated steam supply system
832	If heavy smoke is observed to be issuing from a partially open door of a paint locker having a CO2 fire extinguishing system, the FIRST firefighting attack should be to _____.	leave the door and vents open, but release the CO2 flooding system	open the door completely to evaluate the extent of the fire	enter and use a portable extinguisher	secure the door and vents, then manually release the CO2
833	If help has not arrived in 10 to 12 hours after abandoning a vessel in a rescue boat, you should _____.	go in one direction until the fuel runs out	plot course for the nearest land	plot a course for the nearest sea lane	shut down the engines if installed, and set the sea anchor
834	If help has not arrived in 10-12 hours after abandoning ship in a lifeboat, you should _____.	go in one direction until the fuel runs out	plot course for the nearest land	plot a course for the nearest sea lane	shut down the engines and set the sea anchor
835	If help has not arrived in 10-12 hours after having abandoned a MODU in a survival craft, you should _____.	go in one direction until the fuel runs out	plot course for the nearest land	take a vote on which direction you should go	shutdown the engines and set the sea anchor
836	If help has not arrived in 10-12 hours after having abandoned an OSV in a survival craft, you should _____.	go in one direction until the fuel runs out	plot course for the nearest land	take a vote on which direction you should go	shutdown the engines and set the sea anchor
837	If hydrogen sulfide exposure is anticipated, fixed monitoring devices aboard a MODU should have a low level concentration alarm to alert personnel when concentrations of this gas first reach a maximum of _____.	10 ppm	20 ppm	30 ppm	40 ppm
838	If ignited, which of the listed materials would be a class "B" fire?	Magnesium	Paper	Wood	Diesel Oil

ID #	Question	Choice A	Choice B	Choice C	Choice D
839	If it becomes necessary to pump bilges while a vessel is in port, which of the following procedures should be followed?	Pump only if the discharge is led to a shore tank or barge.	Pump only during the hours of darkness.	Pump only on the outgoing tide.	Pump only as much as is necessary.
840	If it is necessary to remove a victim from a life threatening situation, the person giving first aid must _____.	pull the victim by the feet	avoid subjecting the victim to any unnecessary disturbance during movement	not move the victim to a another location until all injuries have been assessed	place the victim on a stretcher before attempting removal
841	If more than one life raft is manned after a vessel has been abandoned, _____.	each raft should go in a different direction in search of land	the possibility of a search aircraft finding you is increased by spreading out	reduce the number of rafts by getting as many people as possible into as few rafts as possible	tie each of the rafts together and try to stay in a single group
842	If more than one life raft is manned after the vessel has sunk, _____.	each raft should go in a different direction in search of land	the possibility of a search aircraft finding you is increased by spreading out	reduce the number of rafts by getting as many people as possible into as few rafts as possible	tie each of the rafts together and try to stay in a single group
843	If more than one life raft is manned after the vessel has sunk, _____.	each raft should go in a different direction in search of land	the possibility of a search aircraft finding you is increased by spreading out	reduce the number of rafts by getting as many people as possible into as few rafts as possible	tie each of the rafts together and try to stay in a single group
844	If not attached to the nozzle, each low velocity spray applicator on a MODU must be stowed _____.	in a protected area on the main deck	inside a machinery space near the entrance	next to the fire hydrant to which the fire hose is attached	on a rack inside the quarters near the entrance
845	If personnel are required to enter a cargo tank that has not been certified as "gas free", _____.	entry without a breathing apparatus may be made at the top of the tank, since petroleum vapors are heavier than air	a person may work safely without breathing apparatus in cold weather, since the vapors are less volatile	breathing apparatus would not be necessary, if expected to be in the tank for only a short period of time	self-contained breathing apparatus should always be used
846	If someone suffers a heart attack and has ceased breathing, you should _____.	immediately give a stimulant, by force if necessary	make the victim comfortable in a bunk	immediately start CPR	administer oxygen
847	If someone suffers a heart attack and has ceased breathing, you should _____.	immediately give a stimulant, by force if necessary	make the victim comfortable in a bunk	immediately start CPR	administer oxygen
848	If the alarm provided in the fixed CO2 system sounds in the engine room, you should _____.	leave the space immediately	start the fire pump	make certain that the CO2 starts flowing into the space	immediately assist the fixed system by discharging all portable units as well

ID #	Question	Choice A	Choice B	Choice C	Choice D
849	If the buoyant force on a ship's hull is equal to or greater than the displacement tonnage, the ship will _____.	require ballast added to only the port side tanks	be down by the head	sink	float
850	If the cause of a sudden severe list or trim is negative initial stability, counter flooding into empty tanks may _____.	increase the righting moment	cause an increase in the righting arm	bring the unit to an upright equilibrium position	cause the unit to flop to a greater angle
851	If the cause of severe list, or trim is due to off-center ballast, counter flooding into empty tanks will _____.	increase the righting moment	increase the righting arm	increase list or trim	decrease list or trim
852	If the chemical material is a mixture, what must the Material Safety Data Sheet (MSDS) identify?	Paints or coatings that are safe to use with it.	The name of each hazardous ingredient.	Other similar mixtures of liquids, solids or gases.	None of the above.
853	If the empty weight of a B-II, portable, CO2, fire extinguisher bottle is 34 pounds (15.4 kg), the cylinder must be recharged if the gross weight decreases to _____.	47 lbs (21.3 kg)	48 lbs (21.8 kg)	49 lbs (22.2 kg)	50 lbs (22.4 kg)
854	If the empty weight of a B-III semi-portable CO2 fire extinguisher is 35 lbs (15.9 kg), what is its full charged weight?	47 lbs (21.3 kg)	50 lbs (22.7 kg)	55 lbs (24.9 kg)	70 lbs (31.7 kg)
855	If the engine of a survival craft does not start, check to see _____.	if the fuel valve is open	if the air supply system is open	if the water sprinkler system is open	if the limit switch is on
856	If the hydrostatic release mechanism for an inflatable life raft is not periodically serviced and becomes inoperable, it will fail to _____.	set the water lights on immersion	release the dye marker from the life raft	free the life raft from the vessel	break the seal on the carbon dioxide cylinder
857	If the hydrostatic release mechanism for an inflatable life raft is not periodically serviced and becomes inoperative, it will NOT _____.	set the water lights on immersion	release the dye-maker for the life raft	free the life raft from a sinking vessel	break the seal on the carbon dioxide cylinder
858	If the inert gas system was not in operation while loading crude oil on a tank vessel, what action would you take?	Immediately stop loading.	Continue loading under "Emergency Procedures".	Continue loading, as this is a normal procedure.	Immediately start up the inert gas system and admit gas to the deck main when oxygen content is below 8%.
859	If the items shown in the illustration are burning, this fire would be a Class _____.	"A"	"B"	"C"	"D"
860	If the life raft you are in should capsize, all personnel should leave the raft and _____.	climb onto the bottom	swim away from the raft	right the raft using the righting straps	inflate the righting bag
861	If the metacentric height is large, a floating MODU will _____.	be tender	have a slow and easy motion	be stiff	have a tendency to yaw
862	If the metacentric height is small, a floating MODU will _____.	be tender	have a quick and rapid motion	be stiff	yaw
863	If the overflow tank high-level alarm sounds while the fuel oil tanks are being topped off, the engineer should _____.	close the static leg filling valve	close the overflow tank filling valve	reduce the fuel oil pumping rate	stop the fuel oil pumping operation

ID #	Question	Choice A	Choice B	Choice C	Choice D
864	If the result of loading a MODU is an increase in the height of the center of gravity, there will always be an increase in the _____.	metacentric height	righting arm	righting moment	vertical moments
865	If the ship takes a sudden severe list or trim from an unknown cause, the first action is to _____.	determine the cause before taking countermeasures	assume the shift is due to off center loading	counter flood on the side opposite the list or trim	assume the cause is environmental forces
866	If the survival craft is not loaded to full capacity, the personnel should be _____.	loaded more on port side to forward	loaded equally on both sides with more forward	loaded equally on both sides with more aft	allowed to sit anywhere
867	If the threads and gasket of a fire hose coupling are in good condition, the minimum mechanical advantage necessary for making a watertight connection to another hose coupling, can be developed with _____.	your hands	a hose wrench	a monkey wrench	a coupling wrench
868	If the water level is rising in the bilge of a survival craft, you should first _____.	increase the speed of the survival craft	shift all personnel to the bow	shift all personnel to the stern	check the bilge drain plug
869	If the water level is rising in the bilge of a survival craft, you should first _____.	abandon the survival craft	check for cracks in the hull	shift all personnel to the stern	check the bilge drain plug
870	If there are a number of survivors in the water after abandoning a MODU, they should _____.	tie themselves to the unit to avoid drifting with the current	group to form a small circle of survivors to create a warmer pocket of water in the center of the circle	send the strongest swimmer to shore for assistance	form a raft by lashing their lifejackets together
871	If there are a number of survivors in the water after abandoning an OSV and no rescue craft or life raft are in sight, they should _____.	tie themselves to the unit to avoid drifting with the current	group to form a small circle of survivors to create a warmer pocket of water in the center of the circle	send the strongest swimmer to shore for assistance	form a raft by lashing their lifejackets together
872	If there are a number of survivors in the water after abandoning a vessel, they should _____.	tie themselves to the unit to avoid drifting with the current	group to form a small circle of survivors to create a warmer pocket of water in the center of the circle	send the strongest swimmer to shore for assistance	form a raft by lashing their lifejackets together
873	If there has been a fire in a closed unventilated compartment it may be unsafe to enter because of _____.	unburned carbon particles	excess nitrogen	a lack of oxygen	excess hydrogen
874	If there is no head injury, extreme physical discomfort or difficulty in breathing, a patient in shock should be placed in which of the positions listed?	Head up and feet down	Flat on back with feet raised 12 to 18 inches	Flat on back with head and feet at the same level	Arms above the head

ID #	Question	Choice A	Choice B	Choice C	Choice D
875	If vomiting occurs during a resuscitation effort, the best immediate procedure to follow is _____.	ignore it and continue mouth-to-mouth ventilation	pause for a moment until the patient appears quiet again, then resume mouth-to-mouth ventilation	switch to mouth-to-mouth ventilation	turn the patient's body to the side, sweep out the mouth and resume CPR
876	If vomiting occurs during a resuscitation effort, the best immediate procedure to follow is _____.	ignore it and continue mouth-to-mouth ventilation	pause for a moment until the patient appears quiet again, then resume mouth-to-mouth ventilation	switch to mouth-to-mouth ventilation	turn the patient's body to the side, sweep out the mouth and resume CPR
877	If water is rising in the bilge of a survival craft, you should first _____.	abandon the survival craft	check for cracks in the hull	shift all personnel to the stern	check the bilge drain plug
878	If water is rising in the bilge of a survival craft, you should first _____.	abandon the survival craft	check for cracks in the hull	shift all personnel to the stern	check the bilge drain plug
879	If weight is added at "K" to the ship shown in the illustration, _____.	"B" will go down	"G" will rise	"GM" will decrease	"G" will go down
880	If weight is added at the keel, the ship's center of gravity will _____.	move down	move up	merge with the metacenter	pass through the center of flotation
881	If you are forced to abandon an OSV, following the launching of the survival craft you should _____.	plot a course to the nearest land	take a vote on which direction to go	stay in the immediate area	go in one direction until the fuel runs out
882	If you are forced to abandon ship in a lifeboat, you should _____.	remain in the immediate vicinity	head for the nearest land	head for the closest sea-lanes	vote on what to do, so all hands will have a part in the decision
883	If you are forced to abandon ship in a survival craft, you should _____.	remain in the vicinity of the vessel	head for the nearest land	head for the closest sea-lanes	have an all hands vote on what to do
884	If you are loading a petroleum cargo which is below average ambient temperatures, you must insure that _____.	there is room for expansion	the vents are sealed	vapor baffles are installed	all of the above
885	If you continue to wear extra clothing when entering the water after abandoning your vessel, it will _____.	weigh you down	preserve body heat	reduce body heat	make it more difficult to breathe
886	If you detect oil in the water around your vessel while discharging fuel, the FIRST thing to do is _____.	try to find out where the oil is coming from	call the Master	have the pumpman check the discharge piping	shutdown operations
887	If you find an inflatable life raft with the steel bands still in place around its case, you should _____.	double wrap with line	leave the bands in place	tell the Mate	remove the bands yourself
888	If you find that the pressure cartridge on a dry chemical fire extinguisher has been punctured, you must _____.	replace the pressure cartridge and weigh the chemical charge	replace the entire charge of chemical agent	have the unit hydrostatically tested	weigh the pressure cartridge to determine if it must be replaced

ID #	Question	Choice A	Choice B	Choice C	Choice D
889	If you have to abandon ship and enter a life raft, your main course of action should be _____.	remain in the vicinity of the vessel	head for the closest land	head for the closest sea-lanes	get a majority opinion
890	If you have to abandon ship, and enter a life raft, your main course of action should be to _____.	remain in the vicinity of the sinking vessel	head for the closest land	head for the closest sea-lanes	get a majority opinion
891	If you have to abandon ship, the EPIRB can be used to _____.	hold the lifeboat's head up into the seas	generate orange smoke	seal leaks in rubber rafts	send radio homing signals to searching aircraft
892	If you have to abandon ship, the EPIRB can be used to _____.	hold the lifeboat's head up into the seas	generate orange smoke	seal leaks in rubber rafts	send radio homing signals to searching aircraft
893	If you have to abandon ship, the EPIRB can be used to _____.	hold the lifeboat's head up into the seas	generate orange smoke	seal leaks in rubber rafts	send radio homing signals to searching aircraft
894	If you have to jump in the water when abandoning ship, your legs should be _____.	spread apart as far as possible	held as tightly against your chest as possible	in a kneeling position	extended straight down and crossed at the ankles
895	If you have to jump into the water when abandoning a MODU, your legs should be _____.	spread apart as far as possible	held as tightly against your chest as possible	in a kneeling position	extended straight down and crossed at the ankles
896	If you have to jump into the water when abandoning an OSV, your legs should be _____.	spread apart as far as possible	held as tightly against your chest as possible	in a kneeling position	extended straight down and crossed at the ankles
897	If you have to jump into the water when abandoning ship, your legs should be _____.	spread apart as far as possible	held as tightly against your chest as possible	in a kneeling position	extended straight down and crossed at the ankles
898	If you hear a continuous blast of the whistle for a period of not less than 10 seconds, supplemented by a continuous ringing of the general alarm bells for not less than 10 seconds, you should go to your _____.	boat station	fire station	man overboard station	collision station
899	If you hear a continuous blast of the whistle for a period of not less than 10 seconds; supplemented by a continuous ringing of the general alarm bells for the same time period, you should _____.	go to your lifeboat station	go to your fire station	standby for collision	proceed to your man overboard muster station
900	If you hear more than six short blasts, followed by one long blast on the whistle, and supplemented by the same signal on the general alarm, you should _____.	start the fire pump	go to your man overboard station	go to your lifeboat station	stand by for collision
901	If you hear the sound of a gas escaping from the life raft just after it has inflated, you should _____.	quickly hunt for the hole before the raft deflates	check the sea anchor line for a tear if the seas are rough	check the painter line attachment for a tear caused by the initial opening	not panic as the relief valves allow excess pressure to escape

ID #	Question	Choice A	Choice B	Choice C	Choice D
902	If you hear the sound of a gas escaping from the life raft just after it has inflated, you should _____.	quickly hunt for the hole before the raft deflates	check the sea anchor line for a tear if the seas are rough	check the painter line attachment for a tear caused by the initial opening	not panic as the relief valves allow excess pressure to escape
903	If you hear the sound of a gas escaping from the life raft just after it has inflated, you should _____.	quickly hunt for the hole before the raft deflates	check the sea anchor line for a tear if the seas are rough	check the painter line attachment for a tear caused by the initial opening	not panic as the relief valves allow excess pressure to escape
904	If you must enter the water on which there is an oil fire, you should _____.	protect your lifejacket by holding it above your head	enter the water on the windward side of the vessel	keep both hands in front of your face to break the water surface when diving head first	wear very light clothing
905	If you observe any situation which presents a safety or pollution hazard during fuel transfer operations on a MODU, which of the listed actions should be taken first?	Wait for the person-in-charge to act.	Notify the ballast control operator.	Shutdown the transfer operations.	Sound the fire alarm.
906	If you observe any situation which presents a safety or pollution hazard during fuel transfer operations, which of the following actions should be taken FIRST?	Close the valves at the transfer manifold.	Notify the person in charge of the shore facility.	Shut down the transfer operation.	Sound the fire alarm.
907	If you reach shore in a life raft, the first thing to do is _____.	drag the raft ashore and lash it down for a shelter	find some wood for a fire	get the provisions out of the raft	set the raft back out to sea so someone may spot it
908	If you reach shore in a life raft, the first thing to do is _____.	drag the raft ashore and lash it down for shelter	find some wood for a fire	get the provisions out of the raft	set the raft back out to sea so someone may spot it
909	If you see an individual fall overboard, you should _____.	throw them a life ring	hail 'Man overboard'	pass the word to the bridge	all of the above
910	If you see an individual fall overboard, you should _____.	throw a life ring overboard	hail 'Man Overboard'	pass the word to the bridge	all of the above
911	If you wear extra clothing when entering the water after abandoning a MODU it will _____.	weigh you down	preserve body heat	reduce your body heat	make it more difficult to breathe
912	If you wish to remove an inflatable life raft from its cradle, the best way to free it is by _____.	cutting the restraining strap	unscrewing the turnbuckle on the back of the cradle	lifting one end of the raft	pushing the plunger on the center of the hydrostatic release
913	If your life raft is to leeward of a fire on the water, you should first _____.	cut the line to the sea anchor	paddle away from the fire	splash water over the life raft to cool it	get out of the raft and swim to safety
914	If your vessel has a starboard list after taking on fuel, you would transfer fuel _____.	to starboard	to port	forward	aft

ID #	Question	Choice A	Choice B	Choice C	Choice D
915	If your vessel is equipped with inflatable life rafts, how should they be maintained?	Have your crew check them annually.	They do not need any maintenance.	Have them sent ashore to an approved maintenance facility.	Have them serviced by the shipyard.
916	If your vessel is equipped with inflatable life rafts, how should they be maintained?	Have your crew check them annually	They do not need any maintenance	Have them sent ashore to an approved maintenance facility annually	Have them serviced by the shipyard annually
917	If your vessel is to carry ten portable foam fire extinguishers, you must maintain a supply of at least _____.	one spare extinguisher	one spare charge	five spare charges	ten spare charges
918	If your vessel's Certificate of Inspection requires six B-II, two A-II and one B-V fire extinguisher, which of the listed combinations will provide the amount and type required?	Six 2 1/2 gallon soda acid, two 2 1/2 gallon foam, and one 40 gallon foam	Six 2 1/2 gallon foam, two 15 pound CO2, and one 30 pound dry chemical	Six 15 pound CO2, two 2 1/2 gallon foam, and one 50 pound CO2	Eight 2 1/2 gallon foam and one 100 pound CO2
919	If, in a compartment or space, the gas or oxygen content is not within permissible concentration, and dangerous gases are either present, or may be produced by residues, what would be the safety designation listed on a marine chemist's certificate?	Safe for Men - Safe for Fire	Safe for Men - Not Safe for Fire	Not Safe for Men - Safe for Fire	Not Safe for Men - Not Safe for Fire
920	Immediately after a class "B" fire has been extinguished by the use of foam, crewmen should _____.	carefully apply a low velocity fog over the foam blanket	wade through the foam blanket to evenly distribute the foam	be careful not to disturb the foam blanket	sweep the foam blanket overboard and secure firefighting equipment
921	Immediately after abandoning a vessel, lookouts should be posted aboard life rafts to look for _____.	survivors in the water	food and water	land	bad weather
922	Immediately after abandoning a vessel, lookouts should be posted aboard life rafts to look for _____.	survivors in the water	food and water	land	bad weather
923	Immediately after extinguishing a fire with CO2, it is advisable to _____.	use all CO2 available to cool the surrounding area	standby with water or other agents	thoroughly ventilate the space of CO2	jettison all burning materials
924	In a cartridge-operated dry chemical type fire extinguisher, when the CO2 cartridge is activated, the dry chemical is released from the extinguisher _____.	with the squeeze grip trigger on top of the container	by squeezing the control valve carrying handle	by turning the activating handle on the bottom of the container	with the squeeze-grip on/off nozzle at the end of the hose
925	In a closed container of liquid, the force exerted by vapor on the walls of the container above the liquid surface is called _____.	storage pressure	vapor pressure	over-pressure	reactive pressure

ID #	Question	Choice A	Choice B	Choice C	Choice D
926	In a compartment that has been completely flooded with water, the greatest pressure will be exerted _____.	along the bottom of any bulkhead	at the vertical center of the bulkhead	along the top of the bulkhead	at a point that is one-third from the bottom of the bulkhead
927	In a compartment that has been completely flooded, the greatest pressure will be exerted _____.	along the bottom of any bulkhead	at the center of all bulkheads	along the top of any bulkhead	on the overhead of the compartment
928	In a crude oil washing system, according to Coast Guard regulations (33 CFR), each cargo tank shall be fitted with a sufficient number of machines, such that those areas unwashed by direct impingement shall not exceed 10% for horizontal areas, and _____.	5% for vertical areas	10% for vertical areas	15% for vertical areas	20% for vertical areas
929	In a fixed CO2 fire extinguishing system, where provision is made for the release of CO2 by the operation of a remote control, provision is also to be made for releasing the CO2 from _____.	inside the engine room	the bridge	the engineering control station	the cylinder location
930	In a fixed CO2 system, the 'pilot' cylinders are used to _____.	direct CO2 to the pilot house	activate individual groups of CO2 bottles in a predetermined time delay sequence	activate the main bank all at once	automatically activate the main bank if an abnormal heat rise is detected
931	In a semi portable CO2 system, the latch shown in the illustration is used to lock the _____.	all-purpose nozzle in a solid stream position	portable foam nozzle in the open position	cylinder bottle control valve	hose reel type CO2 horn in the open position
932	In a typical automatic fire alarm system, which of the listed actions will cause an indication of a fire to be given in the annunciator cabinet?	A rise in temperature activating a heat detector.	The fire alarm test push-button is operated.	A manual fire alarm box is activated.	All of the above.
933	In accordance with Coast Guard Regulations (33 CFR), each pressure gage used in fuel transfer operations must be calibrated to indicate pressure within what percent of the actual pressure?	3%	5%	7%	10%
934	In accordance with Coast Guard Regulations (46 CFR Part 95), a 25,000 gross ton cargo vessel on an ocean route, having two 10,000 HP oil fired boilers, requires a certain quantity of hand portable and semi-portable fire extinguishing systems in the engine room. Which of the following quantities of extinguishing agents would meet these requirements?	100 lbs. CO2, 20 lbs. dry chemical	40 gals. Foam, 30 lbs CO2	50 lbs. dry chemical, 5 gals. foam	All of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
935	In accordance with Coast Guard Regulations (46 CFR), what quantity of B-II extinguishers would be required in an oil fired boiler space on a 25,000 gross ton cargo vessel in which no sand, soda impregnated sawdust, or other approved dry materials are provided?	1	2	3	4
936	In accordance with Coast Guard Regulations (46 CFR), which of the following power sources would be acceptable for the carbon dioxide warning alarm?	The alarm shall depend on no source of power other than the carbon dioxide.	The ship's general distribution panel.	The emergency lighting and power system via storage batteries or emergency generator.	The general alarm power supply storage battery with a nominal potential of not less than 6 volts.
937	In accordance with Coast Guard Regulations, Coast Guard approved buoyant work vests _____.	should be stowed in engineering spaces in lieu of approved life preservers because they are less bulky and permit free movement in confined spaces	may be used as a substitute for approved life preservers during routine drills, but never during an emergency	should not be stowed where they could be confused with life jackets in an emergency	All of the above
938	In accordance with Coast Guard Regulations, Coast Guard approved buoyant work vests _____.	should be stowed in engineering spaces in lieu of approved life preservers because they are less bulky and permit free movement in confined spaces	may be used as a substitute for approved life preservers during routine drills, but never during an emergency	should not be stowed where they could be confused with life jackets in an emergency	all of the above
939	In accordance with SOLAS regulations, which of the following is true concerning inflatable life raft battery powered lights?	Outside and inside canopy lights must be manually switched on after inflation.	The lights must be capable of being shut off during daylight hours to extend battery life.	The lights must automatically turn on and off by photoelectric cells.	The lights must always remain on.
940	In addition to the lifejackets stowed in places that are readily accessible, lifejackets must also be stowed at _____.	the mess room	the steering gear room	each manned watch station	each fire station
941	In addition to weighing the cartridge, what other routine maintenance is required for a cartridge-operated dry chemical extinguisher?	Weigh the powder in the canister.	Discharge small amount to see that it works.	Check the hose and nozzle for clogs.	Check the external pressure gage.
942	In all but the most severe cases, bleeding from a wound should be controlled by _____.	applying direct pressure	submerging the wound in lukewarm water	cooling the wound with ice	applying a tourniquet

ID #	Question	Choice A	Choice B	Choice C	Choice D
943	In all but the most severe cases, bleeding from a wound should be controlled by _____.	applying a tourniquet	cooling the wound with ice	submerging the wound in lukewarm water	applying direct pressure to the wound
944	In an emergency, a hole in the hull below the waterline, not over three inches in diameter, can be temporarily sealed by _____.	welding over a plate patch	stuffing a mattress in the hole	rigging a collision mat	using a soft wooden plug
945	In any major personal injury, first aid is to include the treatment of the injury and what additional treatment?	Application of CPR	Removal of any foreign objects	Administration of oxygen	Treatment for traumatic shock
946	In cleaning up an oil spill, the use of chemical agents would _____.	absorb the oil for easy removal	remove the oil from the water	disperse or dissolve the oil in the water	not affect the oil
947	In cleaning up an oil spill, the use of straw or reclaimed paper fibers would be an example of which type of oil removal?	Chemical agent removal	Mechanical removal	Absorbent removal	None of the above
948	In damage control, a flat block placed at the end of a shore for the purpose of distributing pressure is referred to as a _____.	strong back	butt piece	stiffener	cradle
949	In each inflatable raft, what piece of equipment is provided to make quick, emergency, temporary repairs to a cut, or rip in a raft?	There is no equipment provided	Glue and rubber patches	Several various-sized repair clamps	Self-adhesive rubberized canvas patches
950	In each inflatable rescue boat, what piece of equipment is provided to make quick, emergency, temporary repairs to a large hole in a raft?	No equipment is provided.	Glue and rubber patches.	Several various-sized sealing clips.	Self-adhesive rubberized canvas patches.
951	In fighting a fire in a fuel tank, the FIRST action you should attempt is to _____.	secure all sources of fresh air to the tank	begin transferring the fuel to other tanks	top off the tank to force out all vapors	station someone at the fixed CO2 release controls
952	In figure 1 of the illustration, fire would spread to compartment "B" by the following method: I. radiation II. convection III. Conduction	I	II	III	I and III
953	In firefighting, the term 'protecting exposures' means _____.	protecting fire fighters from direct exposure to the heat of the fire	keeping flames from burning at the tank vents	protecting exposed areas of the superstructure from flames	taking measures to prevent the spread of fire from the involved compartment to an adjacent compartment
954	In heavy seas the helmsman should steer the survival craft _____.	into the seas	broadside to the seas	in the same direction as the seas	in a series of figure-eights
955	In lifeboat situations, which of the following visual distress signals is acceptable for daylight use only?	Handheld red flare	Self-contained rocket propelled parachute red flare	Orange smoke signal	Red aerial pyrotechnic flare

ID #	Question	Choice A	Choice B	Choice C	Choice D
956	In managing a situation involving multiple injuries, the rescuer must be able to _____.	provide the necessary medication	rapidly evaluate the seriousness of obvious injuries	accurately diagnose the ailment or injury	prescribe treatment for the victim
957	In order for the automatic lifeboat drain to operate properly _____.	the cap should be removed to drain the boat when it is waterborne	the cage must be free of rubbish or the ball may not seat properly	there is an automatic ball check located in a siphon tube	the small lever to release the rubber ball float must be turned counterclockwise
958	In order for you to operate your vessel's crude oil wash system, the cargo tanks to be washed must be _____.	opened to the atmosphere for ventilation	gas free	inerted	full of cargo
959	In order to complete ventilation of the compartments shown in figure 2 of the illustration, you should _____.	close the portholes in compartments A and C	open the door and portholes in compartment B	do nothing	close the door in compartment D
960	In order to discharge a CO2 portable fire extinguisher, the operator must FIRST _____.	open the discharge valve	remove the locking pin	invert the CO2 extinguisher	squeeze the two trigger handles together
961	In order to find out which life raft you are assigned, you should look on the _____.	Certificate of Inspection	Muster List ("Station Bill")	Ship's Articles	Fire Control Plan
962	In order to find out which lifeboat you are assigned, you should look at the _____.	Certificate of Inspection	Muster List ("Station Bill")	Ship's Articles	Fire Control Plan
963	In order to find out which lifeboat you are assigned, you should look at the _____.	fire control plan	certificate of inspection	muster list or station bill	ship's articles
964	In order to initiate CPR on a drowning victim, _____.	start chest compressions before the victim is removed from the water	drain water from the lungs before ventilating	begin mouth-to-mouth ventilations	do not tilt the head back since it may cause vomiting
965	In order to produce a high velocity water fog using an all-purpose nozzle, you must _____.	pull the nozzle handle halfway back	push the nozzle handle completely forward	insert an in-line fog applicator	change to a small nozzle tip after changing the position of the nozzle handle
966	In order to release CO2 to the machinery spaces from a fixed fire extinguishing system, you must _____.	actuate an alarm and open the engine room control valve	actuate an alarm and open the engine room CO2 releasing valve	open the engine room control valve and shut off engine room ventilation fans	open the engine room control valve and then the CO2 releasing valve
967	In order to release CO2 to the machinery spaces, you must physically open the engine room _____.	control valve and actuate the alarm	CO2 releasing valve and actuate the alarm	control valve, then open the CO2 releasing valve	control valve, then shut off the engine room ventilation
968	In order to retrieve an inflatable life raft and place it on deck, you should heave on the _____.	lifelines	righting strap	sea anchor	towing bridle

ID #	Question	Choice A	Choice B	Choice C	Choice D
969	In order to retrieve an inflatable life raft and place it on deck, you should heave on the _____.	lifelines	righting strap	sea anchor	towing bridle
970	In plugging submerged holes on a MODU, rags, wedges, and other materials should be used in conjunction with plugs to _____.	reduce the water pressure on the hull	reduce the water leaking in around the plugs	prevent progressive rapid flooding	reduce the possibility of stress fractures
971	In port, after chemically cleaning a fuel oil tank, you should dispose of the waste oil by _____.	pumping it into the sewer connection	centrifuging and reclaiming it	circulating it through an oil and water separator	discharging it into a slop barge or holding tank
972	In reviving a person who has been overcome by gas fumes, what would you AVOID doing?	Giving stimulants	Prompt removal of the patient from suffocating atmosphere	Applying artificial respiration and massage	Keeping the patient warm and comfortable
973	In reviving a person who has been overcome by gas fumes, which of the following treatments would you AVOID using?	Giving stimulants	Prompt removal of the patient from the suffocating atmosphere	Determine the need for, and administer CPR if appropriate	Keeping him warm and comfortable
974	In ship construction, the vessels bilge keels are designed primarily to _____.	assist in reducing vessel rolling	improve vessel steering response	reinforce the vessels garboard strake	reinforce the vessels shear strake
975	In small angle stability, when external forces exist, the buoyant force is assumed to act vertically upwards through the center of buoyancy and through the _____.	center of gravity	center of flotation	metacenter	metacentric height
976	In the absence of external forces, adding weight to one side of a floating vessel, will cause the vessel to _____.	heel until the angle of loll is reached	list until the center of buoyancy is aligned vertically with the center of gravity	trim to the side opposite TCG until all moments are equal	decrease draft at the center of flotation
977	In the absence of external forces, the center of gravity of a floating vessel is located directly above the _____.	metacenter	amidships	center of flotation	geometric center of the displaced volume
978	In the case of an injury, causing a person to be incapacitated for more than 72 hours, the master or person-in-charge of a mobile offshore drilling unit must submit a report to _____.	the nearest Marine Safety or Marine Inspection Office	the nearest hospital	the Department of Energy	the American Bureau of the Shipping
979	In the event of a casualty to a MODU, who is responsible to make records available to the Coast Guard official authorized to investigate the casualty?	Officer-in-Charge, Marine Inspection	The person who caused the casualty	The company man	The owner
980	In the event of a collision, watertight integrity may be lost if _____.	the sounding tube cap from a damaged tank is missing	the dogs on a manhole cover are secure	you have recently replaced a gasket in a watertight door	you operate the dewatering system from a flooded compartment

ID #	Question	Choice A	Choice B	Choice C	Choice D
981	In the event of a fire, automatic activation of a fixed CO2 extinguishing system can result in which of the following areas?	Machinery space	Paint locker	Cargo hold	All of the above
982	In the event of a fire, the doors to a stair tower must be closed to prevent the spread of fire by _____.	ventilation	radiation	convection	conduction
983	In the event of a fire, the doors to a stair tower must be closed to prevent the spread of fire by _____.	convection	conduction	radiation	ventilation
984	In the event of a small bunker oil spill on deck occurring while fueling, you should _____.	wash down the area immediately with a fire hose	wash down the area with kerosene	cover the area with absorbent material	cover the area with foam
985	In the event of an exhaust duct fire, most dry chemical and carbon dioxide galley range fixed extinguishing systems are automatically activated through the action of a stainless steel cable, spring and a _____.	fusible link	stack switch	thermostat	pyrostat
986	In the first 24 hours after abandoning a vessel, water should be given only to personnel who are _____.	thirsty	sick or injured	wet	awake
987	In the first 24 hours after abandoning a vessel, water should be given only to personnel who are _____.	thirsty	sick or injured	wet	awake
988	In the illustration shown, the CO2 tripping lanyard is item number _____.	12	15	17	18
989	In the illustration shown, the external lifelines are shown as item number _____.	1	12	15	21
990	In the illustration shown, the hydrostatic release is identified as item number _____.	3	6	7	10
991	In the illustration shown, the pressure relief valve is indicated as item number _____.	3	4	9	11
992	In the illustration shown, the righting strap is shown as item number _____.	8	9	12	16
993	In the illustration shown, the sea painter is identified as item number _____.	3	6	7	9
994	In the illustration shown, the type of ventilation depicted in figure 1 and figure 2 respectfully is _____.	horizontal; vertical	vertical; combination	combination; horizontal	cross-flow; horizontal
995	In the illustration shown, the weak link is identified as item number _____.	8	6	4	1
996	In the illustration shown, the weak link is item _____.	7	17	19	23
997	In the illustration shown, where would you find the knife?	Item #2	Item #4	Item #22	Item #23

ID #	Question	Choice A	Choice B	Choice C	Choice D
998	In the illustration, the sea anchor is shown as item number _____.	7	13	15	18
999	In the illustration, the sea painter is item number _____.	1	12	16	18
1000	In the illustration, which item correctly identifies the ballast bags?	Item #2	Item #12	Item #13	Item #22
1001	In the Oil Record Book, a comprehensive list of operational items are grouped into operational sections. Each section is codified by a/an _____.	number	abbreviation	letter	all of the above
1002	In treating a person for first degree thermal burns, it is important to prevent or reduce _____.	disfigurement	infection	pain	asphyxia
1003	In which of the areas listed is a fire resulting from spontaneous combustion most likely to occur?	Engine room bilges	Paint locker	Battery storage locker	Fuel oil tank
1004	In which of the circumstances listed would a carbon dioxide fire extinguishing agent be most effective?	Within a closed space	On a magnesium fire	At a range of 15 feet	As a cooling agent
1005	Increasing the free surface of a confined liquid has the effect of raising the _____.	uncorrected 'KG'	virtual height of the center of gravity	metacenter	metacentric height
1006	Inert gas systems fitted on tank vessels must be fitted with an alarm to give an audible and visual warning when the oxygen content of the inert gas exceeds _____.	4% by volume	8% by volume	12% by volume	16% by volume
1007	Inflatable life rafts are provided with _____.	a pistol	a towing connection	a portable radio	canned milk
1008	Inflatable life rafts are provided with _____.	a pistol	a towing connection	a portable radio	canned milk
1009	Inflatable life rafts are provided with _____.	a portable radio	an oil lantern	canned milk	a towing bridle
1010	Inflatable life rafts are provided with _____.	a portable radio	an oil lantern	canned milk	a towing bridle
1011	Inflatable life rafts are provided with a _____.	jackknife	towing connection	lifeline	all of the above
1012	Inflatable life rafts are provided with a _____.	jackknife	towing connection	lifeline	All of the above
1013	Inflatable life rafts must be overhauled and inspected at a USCG approved servicing facility every _____.	six months	twelve months	eighteen months	twenty-four months
1014	Inflatable life rafts shall be serviced at an approved servicing facility every 12 months or not later than the next vessel inspection for certification. However, the total elapsed time between servicing cannot exceed _____.	12 months	15 months	17 months	18 months

ID #	Question	Choice A	Choice B	Choice C	Choice D
1015	Information on the specification of a rescue boat can be found by _____.	examining the certificate of inspection	examining the nameplate on the transom	referring to the Muster List ("Station Bill")	referring to the shipping articles
1016	Initial stability refers to the vessel's stability _____.	at small angles of inclination	when loaded with minimum deck load	when at transit draft	when GZ is zero
1017	Inspection of a Halon fire extinguisher involves checking the hose, handle, nozzle, and _____.	each sight glass	weighing of the extinguisher	the service technicians report	the last date it was charged
1018	Inspection of a portable CO2 fire extinguisher involves checking the hose, handle, nozzle, and _____.	each sight glass	weighing of the extinguisher	the service technicians report	the last date it was charged
1019	International Oil Pollution Prevention (IOPP) Certificates are required for each U.S. oil tanker at or above _____.	100 gross registered tons	150 gross registered tons	300 gross registered tons	400 gross registered tons
1020	It is generally not advisable to drive a wedge into a crack occurring in the hull because wedges _____.	tend to open the crack	will work loose	will splinter	will pull through the plating
1021	It is important to test lifeboat davit limit switches on a regular basis to prevent _____.	damage to the winch motor	the possibility of the davit wires parting when the lifeboat is being retrieved and stowed in its davit	damage to the releasing gear	the lifeboat from being lowered at an unsafe speed
1022	It is necessary to cool the bulkheads and decks surrounding a compartment where there is a fire in order to _____.	cool the metal below its ignition temperature	form a dense coating of smothering steam	prevent oxygen from reaching the flames	prevent the fire from spreading by the conduction of heat
1023	Kapok lifejackets require proper care and should NOT be _____.	stowed near open flame or where smoking is permitted	used as seats, pillows, or foot rests	left on open decks	all of the above
1024	Keeping the draft of a MODU at, or below the load line mark, insures the unit will have adequate _____.	reserve ballast	reserve buoyancy	lightweight displacement	critical motion
1025	Life jackets should be marked with the _____.	maximum weight allowed	stowage space assigned	vessel's home port	vessel's name
1026	Life rafts are less maneuverable than lifeboats due to their _____.	shape	shallow draft	large sail area	all of the above
1027	Lifejackets should always be stowed in _____.	the forepeak	the afterpeak	readily accessible spaces	locked watertight containers
1028	Lifejackets should be stowed in _____.	the forepeak	the afterpeak	readily accessible spaces	locked watertight containers
1029	Lifejackets should be stowed in _____.	survival craft	mess rooms	readily accessible spaces	locked watertight containers
1030	Lifejackets should be stowed in _____.	the forepeaks	the pump room	readily accessible spaces	locked watertight containers

ID #	Question	Choice A	Choice B	Choice C	Choice D
1031	Lifesaving equipment shall be stowed so that it will be _____.	locked up	readily accessible for use	inaccessible to passengers	on the topmost deck of the vessel at all times
1032	Lifesaving equipment shall be stowed so that it will be _____.	locked up	readily accessible for use	inaccessible to passengers	on the topmost deck of the vessel at all times
1033	Limit switches are located on the survival craft winch systems for MODUs to _____.	stop the winch just before the craft reaches final stowage position	limit the amount of cable on the drum	limit the ascent rate	stop the winch in case the craft weighs too much
1034	Limit switches are located on the survival craft winch systems for OSVs to _____.	stop the winch just before the craft reaches its uppermost position	limit the amount of cable on the drum	limit the ascent rate	stop the winch in case the craft's weight exceeds load lift limit
1035	Limit switches on gravity davits should be tested by _____.	the engineers, from a panel in the engine room	shutting off the current to the winch	pushing the switch lever arm while the winch is running	all of the above
1036	Line throwing apparatus aboard ship must contain _____.	two rockets, one of which shall be the buoyant type	three rockets, one of which shall be buoyant type	four rockets, two of which shall be the buoyant type	five rockets, two of which shall be the buoyant type
1037	Lines passed around the falls to hold the boat into the vessel while boarding passengers are called _____.	lifelines	frapping lines	tricing lines	tripping lines
1038	Liquid petroleum products will become electrically charged as a result of the _____.	splashing or spraying of oil into a tank	movement of water droplets in an oil filled tank	oil moving through the pipe lines	All of the above are correct.
1039	Load line regulations are designed to insure that a MODU has adequate structural strength and sufficient _____.	lifesaving equipment	stability	mooring tension	riser tension
1040	Locations on a MODU, where flammable hydrocarbon gas or vapors may accumulate due to drilling operations, are defined as _____.	gaseous locations	hazardous locations	classified locations	designated locations
1041	Longitudinal stability indicates the tendency of a ship to resist a _____.	change in trim	change in list	change in mean draft	change in the period of roll
1042	Low velocity fog extinguishes a fire by _____.	smothering and washing out	smothering and cooling	cooling and washing out	none of the above
1043	Low velocity water fog is used in firefighting as a _____.	cooling agent	smothering agent	barrier against radiant heat	all of the above
1044	Low velocity water fog is very effective in _____.	removing toxic fumes from the air	controlling the movement of burning oil	removing combustible vapors from the air	shielding fire fighters from the fire
1045	Lower level fire main stations in the engine room should undergo regular routine maintenance, including _____.	operating the self-cleaning strainers once a day	flushing out the hydrants with full fire main pressure	repacking valve stems at three month intervals	a weekly replacement of fire hose fittings

ID #	Question	Choice A	Choice B	Choice C	Choice D
1046	Main wooden shoring for use in damage control, is usually less than 10 feet long and has a nominal cross-section dimension of _____.	2" x 2"	2" x 4"	4" x 4"	2" x 6"
1047	Manufacturers of self contained breathing apparatus use color coded face pieces to indicate different sizes. Which of the following statements is true concerning the colors of SCBA face pieces?	Size "Small" is green.	Size "Large" (standard) is black.	Size "Extra Large" is red.	All of the above.
1048	Many uninspected motor vessels require load lines. For the purpose of the Load Line Regulations, the term 'surveyor' means _____.	an officer of the Coast Guard designated by the Commandant to command all Coast Guard activities within his district	any person designated by the American Bureau of Shipping who actually examines the vessel	any person from the Coast Guard who is in charge of a marine inspection zone	any person from the Coast Guard who performs duties with respect to the inspection, enforcement, and administration of Title 52 of the revised statute
1049	Many uninspected vessels require load lines to indicate the maximum _____.	reserve buoyancy under any condition	amidship's draft to which a vessel can be lawfully submerged	angle of reduced freeboard for subdivision calculations	freeboard for the light ship displacement
1050	Material listed on a Material Safety Data Sheet (MSDS) referring to more than one chemical is called a _____.	mixture	combination	multi-material	toxin
1051	Material listed on a Material Safety Data Sheet (MSDS) that violently self-reacts under commonly occurring conditions is called _____.	flammable	toxic	explosive	unstable
1052	Mechanical foam used for firefighting is produced by mechanically mixing and agitating _____.	soda acid and water	dry chemical and water	foam chemical with air and water	bicarbonate soda with air and water
1053	Mechanical foam used for firefighting, is produced by _____.	mechanically mixing and agitating foam chemical, water, and air	a chemical reaction of foam components and air	gas bubbles liberated when the foam chemical contacts fire	chemical reaction of foam components and water
1054	Mobile offshore drilling units not required to have an official logbook shall _____.	maintain a logbook on Form CG-706	not be required to maintain a logbook	maintain an unofficial logbook	report only major events to the OCMI
1055	MODU survival craft is manufactured with fire retardant _____.	foam	marine plywood	steel	fiberglass
1056	Most enclosed lifeboats or covered survival capsules will automatically right themselves if they capsize. This will occur when which of the following conditions exists?	The lower ballast tanks are filled with water.	The fuel tanks are not less than half full.	The passengers are strapped to their seats.	The sea anchor is deployed to windward.
1057	Most lifeboats are equipped with _____.	unbalanced rudders	balanced rudders	contra guide rudders	straight rudders

ID #	Question	Choice A	Choice B	Choice C	Choice D
1058	No outlet on a fire hydrant may point above the horizontal, in order to _____.	avoid kinking the hose	avoid personal injury during connection	make connecting easier	prevent spray on electrical equipment
1059	No person may discharge garbage from a vessel located near a fixed or floating platform engaged in oil exploration at a distance of less than _____.	1650 feet	1850 feet	2000 feet	2500 feet
1060	No person may serve as the person-in-charge of both the vessel and the facility during oil transfer operation unless _____.	there is ready access between the two	the vessel and facility are immediately adjacent	the person in charge has a rapid means of transportation between the two	the Captain of the Port authorizes such procedure
1061	No person may serve as the person-in-charge of oil transfer operations on more than one vessel at a time _____.	under any circumstances	unless authorized by the Captain of the Port	unless radio communication is set up between the vessels	unless the vessels are moored clear of all docks
1062	No person may transfer oil to or from a vessel unless the person in charge _____.	has in his or her possession a copy of the vessel's Oil Record Book	has notified the captain of the port at least 24 hours before beginning each oil transfer operation	has in his or her possession a valid Certificate of Inspection or Tank Vessel Examination Letter	is in the immediate vicinity and immediately available to the oil transfer personnel
1063	No vessel may use or carry an oil transfer hose larger than three inches in diameter unless it meets certain requirements. Which of the following is NOT a requirement?	Metallic reinforcement	A bursting pressure greater than 600 psi	A working pressure greater than 150 psi	Identification markings
1064	Normal average body temperature is _____.	72.0°F	96.8°F	98.6°F	30.0°C
1065	Normal mouth temperature is _____.	96.4°F	97.5°F	98.6°F	99.7°F
1066	Normally manned machinery spaces protected by a fixed carbon dioxide system are required to be fitted with audible alarms so arranged that the alarm will be sounded prior to the discharge of CO2 by at least _____.	20 seconds	40 seconds	60 seconds	120 seconds
1067	Normally manned machinery spaces protected by a fixed carbon dioxide system fitted with storage cylinders of at least 300 pounds in extinguishing gas weight are required to be fitted with audible alarms so arranged that the alarm will be sounded prior to the discharge of CO2. According to CG regulations pertaining to CO2 fire protection systems, what is the minimum delay period?	15 seconds	20 seconds	45 seconds	90 seconds
1068	Normally, fire hose should be stowed with the _____.	female end connected to the fire hydrant	male end attached to the fire hydrant	female end connected to the nozzle	female end and nozzle arranged to be quickly run out to the fire

ID #	Question	Choice A	Choice B	Choice C	Choice D
1069	Ocean vessel Ballast Water Management Regulations can be found in _____.	33 CFR Part 110	33 CFR Part 151	46 CFR Part 35	46 CFR Part 56
1070	Of the required ring life buoys for a MODU, how many must be equipped with a waterlight?	1	2	4	8
1071	Of the required ring life buoys for an OSV on ocean service, how many must be equipped with a waterlight?	1	2	4	8
1072	Oil Pollution Prevention Regulations (33 CFR), require that the person-in-charge of transfer operations is to insure that the _____.	drains and scuppers are closed by the mechanical means	transferor and transferee know the identity of the product to be transferred	hose is supported to prevent kinking or damage	all of the above
1073	Oil Pollution Regulations (33 CFR) require any transfer or discharge of oil or oily mixtures to be recorded in the _____.	bridge log	Master's log	engine room log	oil record book
1074	Oil Pollution Regulations (33 CFR), require any transfer, or discharge of oil, or oily mixtures be recorded in the _____.	Pollution Control Record	Bridge log	Oil Record book	Masters log
1075	On a cargo ship equipped with a combination detection-carbon dioxide system, the presence of fire is indicated at the cabinet simultaneously in two spaces: #3 hold upper between decks, containing bagged coffee beans; and #4 lower hold containing fertilizer. To combat these fires you should _____.	open the three-way valves to each space simultaneously	open the applicable three-way valve for #3 hold and fight the fire in #4 hold with water	open the applicable three-way valve for #4 hold. After discharge, secure the valve; then open the applicable valve for #3 hold.	activate the pilot CO2 cylinders, directing the discharge to #3 hold, then to #4 hold through the three-way valve
1076	On a cargo vessel, fire and boat drills must be held within 24 hours of leaving port if the percentage of the crew replaced is more than _____.	5%	10%	25%	40%
1077	On a MODU, a cabinet or space containing the controls or valves for the fixed firefighting system must be _____.	posted with instructions on the operation of the system	ventilated and equipped with explosion-proof switches	painted with red and black diagonal stripes	equipped with a battery powered source of emergency lighting
1078	On a MODU, a CO2 fire extinguisher is checked by _____.	reading the gage pressure	weighing the extinguisher	discharging a small amount of CO2	checking for broken inspection seals
1079	On a MODU, a fire drill shall be conducted once every _____.	week	month	crew change	other week
1080	On a MODU, a fire extinguisher charged with 15 pounds of CO2 or 10 pounds of dry chemical is a size _____.	I	II	III	IV
1081	On a MODU, a fire pump may be used for other purposes if _____.	the other services are run off a reducing station with pressure gage	a separate fire pump is available for use on the fire main	all other services are operated by a manifold near the pump	all of the above conditions are met

ID #	Question	Choice A	Choice B	Choice C	Choice D
1082	On a MODU, a fixed carbon dioxide fire extinguishing or other approved system, must be installed _____.	where oil or chemical drums are stored	in a space with an oil fired boiler	in paint lockers	in all of the above locations
1083	On a MODU, firefighting equipment must be inspected once every _____.	three months	six months	twelve months	eighteen months
1084	On a MODU, hand portable extinguishers are size(s) _____.	II only	II and III	I and II	I only
1085	On a MODU, how many ring buoys are required to have a buoyant line attached?	One ring life buoy.	One ring life buoy on each side of the MODU.	Three ring life buoys.	Two ring life buoys on each side of the MODU.
1086	On a MODU, if there is a probability of encountering hydrogen sulfide during the drilling of a well, air movers (bug blowers) should be installed to dilute the concentration of gas at the _____.	pipe rack	crown block	shale shaker	all of the above
1087	On a MODU, size "III", "IV", and "V" fire extinguishers are considered _____.	hand portable units	all-purpose units	fixed fire extinguishing systems	semi-portable units
1088	On a MODU, size I and II fire extinguishers are considered _____.	fixed systems	steam generated	hand portable units	semi-portable units
1089	On a MODU, the locker or space containing the self-contained breathing apparatus must be _____.	located in close proximity to the main control station	equipped with battery powered emergency lighting	marked 'SELF-CONTAINED BREATHING APPARATUS'	all of the above
1090	On a MODU, the possibility of a blowout makes which type of diesel engine shutdown desirable?	Overspeed trip.	Air inlet shut off.	Water injector.	Fuel cutoff valve.
1091	On a MODU, watertight doors should be operated _____.	during abandon drill	during fire drill	quarterly	when the rig is being moved
1092	On a MODU, when may a work vest be substituted for a required life preserver?	To replace a damaged life preserver.	For use during fire drills.	For use during boat drills.	At no time.
1093	On a newly constructed oceangoing vessel of 10,000 gross tons, equipped with an approved 100 ppm oily water separator, and bilge monitor, the bilge monitor continuous record must be _____.	kept readily available for 1 year only	detached monthly for enclosure in the Oil Record Book	maintained onboard for not less than 3 years	initialed after each engineering watch by the watch engineer
1094	On a OSV, how many ring buoys are required to have a buoyant line attached?	One ring life buoy	One ring life buoy on each side of the OSV	Three ring life buoys	Two ring life buoys on each side of the OSV
1095	On a rigid life raft which is equipped with all the required equipment you will NOT find a _____.	bailer	bilge pump	first aid kit	painter

ID #	Question	Choice A	Choice B	Choice C	Choice D
1096	On a tank vessel, which of the following substances would be burning in a class "B" fire?	Oil	Wood	Rags	Electrical wiring
1097	On a tanker vessel, what is the required combined capacity of the inert gas generating system as compared to the total capacity of all the cargo pumps which can be operated simultaneously?	50%	75%	100%	125%
1098	On a tanker, the most likely location for a liquid cargo fire to occur would be _____.	in the midships house	at the main deck manifold	at the vent header	in the pump room
1099	On a vessel with lifeboats on both sides, the No. 2 lifeboat would be located _____.	forward of lifeboat No. 4 on the starboard side	forward of lifeboat No. 4 on the port side	aft of lifeboat No. 1 on the starboard side	all of the above
1100	On an OSV, when may a work vest be substituted for a required life jacket?	To replace a damaged life jacket.	For use during fire drills.	For use during boat drills.	At no time.
1101	On an uninspected vessel, all portable fire extinguishers are required by law to be approved by the _____.	insurance underwriter	American Bureau of Shipping	U.S. Coast Guard	American Society for the Testing of Materials (ASTM)
1102	On most makes of inflatable life rafts, the batteries to operate the light on the inside of rafts can be made to last longer by _____.	unscrewing the bulb during daylight	operating the switch for the light	taking no action as there is no way of preserving power	taking no action as they shut off automatically in daylight
1103	On most makes of inflatable life rafts, the batteries to operate the light on the inside of the rafts can be made to last longer by _____.	unscrewing the bulb during the daylight	operating the "off switch" for the light during the daylight	taking no action as there is no way of preserving power	removing the batteries during the daylight
1104	On offshore drilling units, the lifeboat fuel tanks must be emptied and the fuel changed at least once every _____.	12 months	24 months	36 months	48 months
1105	On U.S. inspected ships, oily water separating equipment, bilge alarms, and bilge monitors must be approved under _____.	33 CFR 151	18 CFR 201	46 CFR 41	46 CFR 162
1106	On vessels on an international voyage, each inflatable life raft shall have a carrying capacity of not less than _____.	50 percent of all persons on board	75 percent of all persons on board	6 persons	10 persons
1107	Onboard an OSV, the key to the most rapid and effective response to a man overboard situation is _____.	well-conducted drills	a dedicated crew	good equipment	good communication
1108	Onboard mobile offshore drilling units, the key to the most rapid and effective response to a man overboard situation is _____.	well-conducted drills	a dedicated crew	good equipment	good communication
1109	Once the daily ration of drinking water in a survival situation has been established, the drinking routine should include _____.	small sips at regular intervals during the day	a complete daily ration at one time at noon	one third the daily ration three times during the day	small sips only after sunset

ID #	Question	Choice A	Choice B	Choice C	Choice D
1110	Once the daily ration of drinking water in a survival situation has been established, the drinking routine should include _____.	small sips at regular intervals during the day.	a complete daily ration at one time during the day.	one-third the daily ration three times during the day.	small sips only after sunset.
1111	One advantage of a cartridge-operated dry chemical fire extinguisher, over that of a stored pressure dry chemical extinguisher is the former _____.	can be easily recharged aboard ship	has a longer operating time	can be discharged further from the fire	is lighter in weight
1112	One consideration for determining the safest maximum rate at which bunker fuel may be received is by the _____.	type of fuel transfer pump	size of the fuel storage tanks ashore	distance to the fuel storage tanks ashore	number of tanks to be filled
1113	One feature of an inflatable raft which helps keep people stationary in rough weather is the set of _____.	lashings on the floor of the raft for the passenger's feet	straps hanging from the overhead	safety straps on the inside of the raft	ridges in the floor of the raft
1114	One life preserver or buoyant work vest is required to be worn on a MODU when a person is _____.	working on the rig floor	working over water	working on the pipe racks	operating line throwing equipment
1115	One of the common hazards onboard a vessel is represented by the accumulation of harmful gases in tanks, holds, etc. Which of the following gases is the most dangerous to personnel safety in confined atmospheres, as it is absorbed by the blood 300 times more quickly than oxygen?	Hydrogen	Carbon dioxide	Carbon monoxide	Ammonia
1116	One of the disadvantages of using carbon dioxide to extinguish a fire in an enclosed space is _____.	the 'snow' which is sometimes discharged along with the gas is toxic	prolonged exposure to high concentrations of CO2 gas causes suffocation	rapid dissipation of the CO2 vapor	the CO2 gas is lighter than air and a large amount is required to extinguish a fire near the deck
1117	One of the first actions to be taken by survivors when they have boarded an inflatable life raft is to _____.	stream the sea anchor	take an anti-seasickness pill	open the pressure relief valve	drink at least one can of water
1118	One of the first actions to be taken by survivors when they have boarded an inflatable life raft is to _____.	break out food rations	stream the sea anchor	open the pressure relief valve	drink at least one can of water
1119	One of the first actions to be taken by survivors when they have boarded an inflatable life raft is to _____.	break out food rations	take anti-seasickness pill	open the pressure relief valve	drink at least one can of water
1120	One of the first actions to be taken by survivors when they have boarded an inflatable life raft is to _____.	break out food rations	prepare to cut the sea painter	open the pressure relief valve	drink at least one can of water
1121	One of the first actions to be taken by survivors when they have boarded an inflatable life raft is to _____.	break out food rations	read the instruction card	open the pressure relief valve	drink at least one can of water

ID #	Question	Choice A	Choice B	Choice C	Choice D
1122	One of the limitations of foam as a fire extinguishing agent is that foam _____.	cannot be made with salt water	is heavier than oil and sinks below its surface	is corrosive and a hazard to fire fighters	conducts electricity
1123	One of the main concerns when fighting a galley fire is _____.	contamination of food with extinguishing agent	spreading of fire through the engineering space	the loss of stability	the igniting of a grease fire in the range hood ventilation system
1124	One of the uses for low velocity fog is to _____.	help produce mechanical foam	break apart class "A" combustibles	sweep burning liquids overboard	act as a heat shield to protect the fire fighter
1125	One precaution to take prior to working in a freshly painted compartment where there is an excessive amount of paint fumes, is to _____.	take shallow breaths of air	ventilate the area	wear a breathing apparatus while working	keep a charged fire hose handy
1126	Operation of the release control valve on a fixed CO2 fire extinguishing system, must automatically _____.	release CO2 to the protected space	secure all mechanical ventilation in the protected space	sound the general alarm signal for a fire	sound an alarm in the ballast control room
1127	Overhauling a fire in the living quarters on a vessel must include _____.	opening dead spaces to check for fire or lingering sources of heat	evacuation of the vessel	immediately sounding the 'all clear' signal	operation of the emergency generator
1128	Paints and solvents used aboard a vessel should be _____.	stowed safely at the work site until work is completed	returned to the paint locker after each use	covered with a fine mesh screen to protect from ignition sources	drained into a common container after each use
1129	Part of the required equipment for a lifeboat includes _____.	a boathook	painter	whistle	all of the above
1130	Passenger vessels shall maintain an Oil Record Book, if the vessel is _____.	150 gross tons and above	200 gross tons and above	300 gross tons and above	400 gross tons and above
1131	Periodic surveys to renew the load line assignment for a MODU must be made at intervals not exceeding _____.	18 months	two years	three years	five years
1132	Personnel who are moving or handling material aboard ship should NOT follow which of the listed practices?	Signaling that all personnel are clear before lifting or lowering material.	Examining material for sharp edges or protruding points before handling.	Closing, tagging, or securing valves that permit entrance of steam, water, or air into a fitting or other equipment.	Throwing materials from high places to the deck.
1133	Persons who have swallowed a non-petroleum based poison are given large quantities of warm, soapy water or warm salt water to _____.	induce vomiting	absorb the poison from the blood	neutralize the poison in the blood	increase the digestive process and eliminate the poison

ID #	Question	Choice A	Choice B	Choice C	Choice D
1134	Petroleum vapors are dangerous _____.	only if the source of the vapor is above its flash point	only if the vapor is between the upper and lower explosive limit	only if the oxygen concentration is below 16 percent	at all times due to their toxicity
1135	Petroleum vapors are heavier than air and _____.	will normally dissipate rapidly	will always form explosive vapors below 32°F ambient	may collect in ship's bilges	are of no concern if the wind is blowing
1136	Physical data on a Material Safety Data Sheet (MSDS) which describes chemicals that produce health effects requiring medical attention where damage may be permanent but is neither life-threatening nor seriously disabling, is called _____.	moderate exposure level	high toxicity	high exposure level	moderate toxicity
1137	Physical exertion on the part of a person who has fallen into cold water can _____.	be the best thing to try if there was no rescue in sight	increase survival time in the water	increase the rate of heat loss from the body	not affect the heat loss from the body
1138	Physical exertion on the part of a person who has fallen into cold water can _____.	be the best thing to try if there were no rescue in sight	increase survival time in the water	increase the rate of heat loss from the body	not affect the heat loss from the body
1139	Physical exertion on the part of a person who has fallen into cold water would _____.	be the best thing to try if there was no rescue in sight	increase survival time in the water	increase the rate of heat loss from the body	not affect the heat loss from the body
1140	Pitching is the rising and falling motion of the bow of a ship oscillating about which axis?	Longitudinal	Transverse	Vertical	Centerline
1141	Plastic garbage bags containing comminuted paper and rags may only be discharged _____.	3 miles from land	12 miles from land	25 miles from land	ashore
1142	Pollution Prevention Regulations (33 CFR Part 155) state that no person may transfer oil or fuel to a vessel of 300 gross tons or more, constructed after June 30, 1974, unless each fuel tank vent, overflow, and fill pipe is equipped with a/an _____.	fixed fuel oil discharge containment	portable fuel oil discharge containment	automatic back pressure shutoff nozzle	quick-closing anti-spill valve
1143	Pollution Prevention Regulations (33 CFR Part 156), state that no person may transfer oil to or from a vessel unless _____.	oil residue has been drained from all hoses	an oil containment boom is available for immediate use	all parts of the transfer system have been properly lined up	a representative sample has been taken from the oil being received
1144	Pollution Prevention Regulations (33 CFR Part 156), state that no person may transfer oil to or from a vessel unless _____.	oil residue has been drained from all hoses	the maximum amount of oil to be transferred has been recorded on the declaration of inspection	the maximum transfer rate and pressure has been established	a representative sample has been taken from the oil being received

ID #	Question	Choice A	Choice B	Choice C	Choice D
1145	Pollution Prevention Regulations (33 CFR) require a 1500 gross ton vessel (constructed before July 1, 1974) equipped with a fill fitting for which discharge containment is impractical to _____.	have the fill fitting altered on or before December 31, 1986	use a drip collar on the fill fitting	have a designated crew member stand watch over the fill fitting	use an automatic back pressure shut off nozzle
1146	Pollution Prevention Regulations (33 CFR) require that on the completion of oil transfer operations all _____.	hoses shall be blown down with air	soundings shall be entered in the oil record book	valves used during transfer shall be closed	persons on duty during oil transfer shall be accounted for
1147	Pollution Prevention Regulations (33 CFR) specify that the person-in-charge of bunkering is responsible for _____.	establishing the transfer rate	quantity of fuel received	quality of fuel received	vessel draft
1148	Pollution Prevention Regulations (33 CFR) specify that the person-in-charge of bunkering is responsible for the _____.	vessel draft	quantity of fuel received	quality of fuel received	possession of a copy of the facility operations manual or vessel transfer procedures
1149	Pollution Prevention Regulations (33 CFR) specify that the person-in-charge of bunkering is responsible for the _____.	vessel draft	quantity of fuel received	quality of fuel received	communications with terminal operator
1150	Pollution Prevention Regulations (33 CFR) state that no person may transfer oil to or from a vessel unless _____.	hoses are supported to prevent kinking and strain on its coupling	a sample has been taken from the oil being received	adequate deck lighting is turned on one hour before sunset	each part of the transfer system is blown through with air
1151	Pollution Prevention Regulations (33 CFR) state that no person may transfer oil to or from a vessel unless the _____.	spectacle flanges are installed in cargo pump overboard discharges	packing glands of the transfer pump must not leak at all	vessel is surrounded by an oil containment boom	fuel hose is supported to prevent strain on its couplings
1152	Pollution Prevention Regulations (33 CFR) state that when a tank vessel is discharging cargo, each sea suction valve connected to the vessel's oil transfer, ballast, or cargo tank systems must be _____.	sealed or lashed closed	fitted with a blank flange	fitted with an anti-siphon device	lined up for immediate use
1153	Portable carbon dioxide fire extinguishers must be recharged _____.	when the remaining charge volume is less than 90% of the required volume	at each biennial inspection	at each annual inspection	when the remaining charge weight is 10% less than the required weight
1154	Portable carbon dioxide fire extinguishers should be sent ashore to be recharged _____.	when the remaining charge volume is less than 90 percent of the required volume	at each inspection for certification	at each annual inspection	when the charge weight loss exceeds 10%
1155	Portable Halon extinguishers used on a class "B" fire should be directed _____.	at the top of the flames	at the base of the fire near the edge	in short, quick bursts	toward the upwind side of the fire

ID #	Question	Choice A	Choice B	Choice C	Choice D
1156	Portable Halon fire extinguishers used on a MODU may be charged with _____.	HALON 1301 only	HALON 22 only	HALON 1211 only	HALON 1301 or 1211
1157	Pressure within a firemain system will vary from point to point due to _____.	leaky pilot valves	leaky pump suction valve	friction in the piping and valves and position in the system	wear in the hydrant
1158	Pressure-vacuum relief valves on tank vessel cargo tanks should be kept in good working order to prevent _____.	escape of explosive vapors	oil spillage on deck	contamination from other tanks	damage to tank boundaries
1159	Prior to entering a cargo pump room, you should ensure that _____.	the forced ventilating system is operating	the cargo pumps are secured	a suitable gas mask is available	the oily water separator is de-energized
1160	Prior to entering a compartment containing an atmosphere potentially dangerous to life or health, you should don an approved breathing apparatus. Which of the listed devices would be suitable?	An SCBA	An emergency escape hood	A canister-type gas mask.	All of the above.
1161	Prior to entering a shipboard compartment containing spilled sewage, you should test the atmosphere in the compartment for _____.	Hydrogen sulfide	Methane Gas	Oxygen	All of the above
1162	Prior to inserting a low velocity fog applicator into the nozzle shown in the illustration, you must _____.	move the handle to position "B"	remove the device indicated by the letter "E"	move the handle to position "A"	remove the device indicated by the letter "D"
1163	Prior to lowering the lifeboat, the most important item to check is the _____.	oars	sail	boat plug	life preservers
1164	Prior to transfer of fuel, the Declaration of Inspection required by Coast Guard Regulation (33 CFR) _____.	is the same as the Certificate of Inspection	describes the procedure for draining the sumps of oil lubricated machinery into the bilges of U.S. vessels	must be signed by both the person-in-charge of the pumping and the person-in-charge of receiving	requires the "Discharge of Oil Prohibited" placard to be posted at the gangway
1165	Progressive flooding in the engine room may be minimized by securing watertight boundaries and _____.	transferring reserve feed water	dumping fuel oil	pumping out flooded compartments	evacuating the engine room
1166	Progressive flooding on a MODU is controlled by securing watertight boundaries and _____.	transferring drill water	dumping bulk materials	pumping out flooded compartments	evacuating the unit
1167	Progressive flooding on a MODU may be indicated by _____.	ballast control alarms	excessive draft	excessive list or trim	a continual worsening of list or trim

ID #	Question	Choice A	Choice B	Choice C	Choice D
1168	Proper maintenance of a dry chemical fire extinguisher will include _____.	adding water to the powder	painting the CO2 cartridge red	puncturing the CO2 cartridge	shaking the extinguisher to loosen the caked-up portions of the powder
1169	Properly stowed fire hose is either faked or rolled into a rack with the _____.	male and female ends connected together to prevent damage	female end available to be quickly connected to the hydrant	male end attached to the adjacent fire hydrant	nozzle end arranged to be easily run out to the fire
1170	Provided every effort is used to preserve body moisture content by avoiding perspiration, how long is it normally possible to survive in a survival craft without stored quantities of water?	Up to 3 days	Up to 14 days	Up to 25 days	Up to 35 days
1171	Provided every effort is used to produce, as well as preserve body moisture content by avoiding perspiration, how long is it normally possible to survive without stored quantities of water?	Up to 3 days	8 to 14 days	15 to 20 days	25 to 30 days
1172	Puncture leaks in the lower tubes or bottom of an inflatable life raft should FIRST be stopped by using _____.	sealing clamps	repair tape	a tube patch	sail twine and vulcanizing kit
1173	Puncture leaks in the lower tubes, or bottom of an inflatable life raft should first be stopped by using _____.	sealing clamps	repair tape	a tube patch	sail twine and vulcanizing kit
1174	Puncture leaks in the lower tubes, or bottom of an inflatable life raft should first be stopped by using _____.	sealing clamps	repair tape	a tube patch	sail twin and vulcanizing kit
1175	Quick cleaning strainers are installed in the fire main system at individual fire hydrants to _____.	prevent rust and foreign matter from entering the system piping	prevent rust and foreign matter from entering the hoses and nozzles	protect the fire pumps from becoming clogged with marine growth	filter out some of the salt in an effort to reduce pipeline scaling
1176	Radiation can cause a fire to spread by _____.	transmitting the heat of a fire through the ship's metal	burning liquids flowing into another space	heated gases flowing through ventilation systems	the transfer of heat across an unobstructed space
1177	Recharging a previously used cartridge-operated dry chemical fire extinguisher is accomplished by _____.	authorized fire equipment servicing personnel only	replacing the propellant cartridge and refilling it with powder	puncturing the cartridge seal after installation	recharging the cartridge and refilling it with powder
1178	Records of tests and inspections of all fire extinguishing systems onboard a cargo vessel shall be kept onboard _____.	for 1 year	for 2 years	until the next Coast Guard inspection	for the period of validity of the vessel's current Certificate of Inspection
1179	Reducing the free surface of a liquid within a tank has the effect of lowering the _____.	uncorrected 'KG'	virtual height of the center of gravity	metacenter	metacentric height

ID #	Question	Choice A	Choice B	Choice C	Choice D
1180	Reducing the free surfaces within a vessel, reduces the _____.	natural roll period	metacentric height	waterplane area	uncorrected height of the center of gravity
1181	Regarding the fire extinguisher shown in the illustration, the small cylinder, labeled as #4, contains _____.	compressed air	nitrogen	carbon dioxide	Halon
1182	Regulations concerning the recordkeeping requirements of shipboard garbage disposal can be found in _____.	46 CFR Part 32	46 CFR Part 56	33 CFR Part 151	33 CFR Part 155
1183	Repair of structures on a MODU in the vicinity of liquid mud handling areas presents which of the possible listed hazards?	Toxic gasses may be present.	Flammable gasses may be present.	Liquid muds may flood adjoining spaces.	An oxygen-deficient atmosphere may be present.
1184	Repair of vital machinery and services related to an emergency on a MODU should be accomplished (in sequence) _____.	after control of fire, flooding, and structural repairs	immediately before emergency is under control	after control of fire, but before control of flooding	after stability is restored
1185	Repairing damage to the hull of a MODU at, or above the waterline, reduces the threat of _____.	free surface effects	capsizing the MODU	continued progressive flooding	wind overturning moments
1186	Required equipment for a lifeboat includes a _____.	boathook	first aid kit	whistle	all of the above
1187	Requirements for hydrogen sulfide preparation and equipment usage aboard MODUs in U.S. offshore waters are administered by the _____.	U.S. Coast Guard	U.S. Corps of Engineers	Minerals Management Service	American National Standards Institute
1188	Reserve buoyancy is the _____.	unoccupied space below the waterline	volume of intact space above the waterline	excess of the buoyant force over gravitational force	difference between buoyancy in salt and fresh waters
1189	Rolling is the angular motion of the vessel about what axis?	Longitudinal	Transverse	Vertical	Centerline
1190	Rolling is the transverse oscillating rotation of the vessel about what axis?	Longitudinal	Transverse	Vertical	Centerline
1191	Safety is dependent on orderliness and cleanliness. Order may be maintained by _____.	storing items in their assigned place	storing all items in a common storage container except those ready-for-sea	tagging all items according to their age and then storing them together	disposing of used items
1192	Seasickness is caused by rolling or rocking motions which affect fluids in the _____.	stomach	lower intestines	inner ear	bladder
1193	Seasickness is caused by rolling or rocking motions which affect fluids in the _____.	stomach	lower intestines	inner ear	bladder
1194	Seawater may be used for drinking water _____.	at a maximum rate of two ounces per day	after mixing with an equal quantity of fresh water	if gather during or immediately after a hard rain	under no circumstance
1195	Semi-portable fire extinguishers used on MODUs are of the sizes _____.	II, III, and IV	I, II, and III	III, IV, and V	IV and V

ID #	Question	Choice A	Choice B	Choice C	Choice D
1196	Servicing of a cartridge-operated dry chemical fire extinguisher aboard ship would include ensuring that the _____.	pressure gage is within the operating range	powder is not caked and there is a full charge	cartridge weight is not less than 1/4 ounce of weight stamped on cartridge	correct amount of water is stored in the container
1197	Servicing of a cartridge-operated dry chemical fire extinguisher aboard ship would include ensuring that the _____.	pressure gage is within the operating range	powder is not caked and there is a full charge	cartridge weight is not less than 1/4 ounce of weight stamped on cartridge	recharge of weight loss exceeds 10% of the weight of charge
1198	Seven short blasts and one long blast of the ship's whistle and the same signal on the general alarm bell is sounded, this signal indicates _____.	fire or emergency	boat stations (abandon ship)	man overboard	dismissal from drills
1199	Severe airway burns will cause _____.	nausea	reddening of cheeks	complete obstruction of respiratory passages	nosebleed
1200	Ships are less stable when water or fuel tanks are partially filled because of the _____.	free surface effect	increase in buoyancy	decrease in draft	reduction in trim
1201	Signaling devices required on inflatable life rafts include _____.	a rocket shoulder rifle	an oil lantern	red flares	an air horn
1202	Since accumulations of hydrogen sulfide gas on a MODU can be dangerous to personnel, it is important to know that this gas is _____.	lighter than air	heavier than air	a yellow gas that is easily recognized	mildly toxic
1203	Since electrical burn victims have been subjected to electric shock, the FIRST medical response is to check for _____.	indication of broken bones	breathing and heartbeat	location of burns	bleeding injuries
1204	Small oil spills on deck can be kept from contaminating the surrounding waters by _____.	driving wooden plugs into the vents	closing the lids on the vents	plugging the scuppers	keeping plugs in the sounding pipes
1205	Small oil spills on deck can be prevented from contaminating any waters by _____.	plugging all scuppers and drains	placing floating booms around the ship	regularly emptying all drip pans	thoroughly draining all bunkering hoses
1206	Small oil spills on deck may be prevented from entering the water by _____.	keeping the drip pans empty	plugging all scuppers and drains	placing floating booms alongside the ship	closing ullage openings between soundings
1207	Smoking in bed on a MODU is prohibited _____.	at all times	during evening hours	unless another person is present	during drilling operations
1208	Some Pollution Prevention Regulations (33 CFR), only apply to "new ships." Under these regulations, a new ship is a ship _____.	having undergone a major conversion and has been completed before December 31, 1979	for which the building contract has been placed after December 31, 1975	having undergone a major conversion for which the contract was placed between June 30, 1974 and December 31, 1975	the delivery of which is on or after June 10, 1975

ID #	Question	Choice A	Choice B	Choice C	Choice D
1209	Spaces protected by a fixed CO2 system must be equipped with an alarm which is to sound _____.	for the first 20 seconds CO2 is being released into the space	for at least 20 seconds prior to release of CO2	during the entire period that CO2 is being released	if all doors and ventilation are not secured
1210	Span gas is used aboard liquefied natural gas carriers to _____.	inert the barrier spaces	calibrate the gas leak detectors	odorize the cargo	detect leaks in cargo piping
1211	Special transportation hazards of bulk LPG include _____.	frost burns to flesh	high toxicity in small quantities	highly noxious odors	all of the above
1212	Spontaneous combustion can occur in _____.	paint thinner in an open can	fuel accumulated in the bilges	oily rags stored in an unvented compartment	gasoline stored in steel drums
1213	Spontaneous combustion can result from _____.	water dripping on a running electric motor	oil soaked rags stored in a closed compartment	smoking in a battery room or near a battery storage locker	an open flame near a fuel tank vent
1214	Spontaneous combustion is most likely to occur in _____.	oil soaked rags	overloaded electrical circuits	wet swabs and cleaning gear	partially loaded fuel tanks
1215	Spontaneous combustion is most likely to occur in _____.	rags soaked in linseed oil	overloaded electrical circuits	dirty swabs and cleaning gear	partially loaded fuel tanks
1216	Stability is determined principally by the location of two points in a vessel: The center of buoyancy and the _____.	keel	geometric center of the water plane area	center of gravity	center of flotation
1217	Stability is determined principally by the relationship of the center of gravity and the _____.	aft perpendicular	center of buoyancy	keel	center of flotation
1218	Static water pressure on the hull of a ship is greatest at the _____.	bow	stern	keel	boot topping
1219	Steering a survival craft broadside to the sea could cause it to _____.	capsize	run smoother	run faster	sink
1220	Stress concentrations may be reduced at the ends of a crack which has formed in the steel plating of a ship by _____.	drilling a round hole at each end of the crack	installing welded brackets parallel to the crack	V-grooving and welding from both sides of the crack	cutting a square notch at each end of the crack
1221	Subtracting the height of the center of gravity corrected for longitudinal free surface effects from the height of the longitudinal metacenter of a MODU yields _____.	'GM'	'GML'	'KGL'	'KML'
1222	Subtracting the height of the center of gravity corrected for transverse free surface effects from the height of the transverse metacenter of a MODU yields _____.	'GM'	'GMT'	'KGT'	'KMT'
1223	Sufficient portable drive heads for a crude oil washing system must be provided in order to avoid one head being used during the tank washing procedure more than _____.	2 times	3 times	4 times	5 times

ID #	Question	Choice A	Choice B	Choice C	Choice D
1224	Surface burns should first be treated by _____.	washing the area with a warm soap and water solution	flooding, bathing, or immersing the area in cool water	covering the area with talcum powder and bandaging tightly	leaving them exposed to the atmosphere
1225	Survival practice in the MODU mooring system is to slack off the tensions on the leeward side and _____.	deballast the unit to transit draft	adjust as evenly as practical the windward tensions	release the anchors on the windward side	tighten the anchor buoys on the leeward side anchors
1226	Symbol #1, as shown in the illustration, refers to _____.	change of draft	centerline	angle of inclination	displacement
1227	Symbol #3, shown in the illustration, represents _____.	displacement	amidships	forward perpendicular	baseline
1228	Symbol #5 shown in the illustration, represents _____.	displacement	leverage center	centerline	counter flood limits
1229	Symptoms of seasickness include _____.	fever and thirst	nausea and dizziness	stomach cramps and diarrhea	reddening of skin and hives
1230	Symptoms of seasickness include _____.	fever and thirst	nausea and dizziness	stomach cramps and diarrhea	reddening of skin and hives
1231	Symptoms of sugar diabetes include _____.	increased appetite and thirst	decreased appetite and thirst	gain in weight	elevated temperature
1232	Symptoms of sugar diabetes include _____.	increased appetite and thirst	decreased appetite and thirst	gain in weight	elevated temperature
1233	Tank stripping is accomplished more effectively by using a _____.	a multistage centrifugal pump	the load on top system	the water displacement method	a positive displacement pump
1234	Tank vent flame screens must be maintained in good condition and properly fitted in the opening they protect in order to _____.	prevent flammable vapors from entering the tank	allow the escape of flammable vapors	contain flammable vapors within the tank	allow dissipation of heat from open flame
1235	Tankers carrying cryogenic cargoes, such as LNG, are fitted with gas detector systems alarmed at 30% of the lower explosive limit. If the gas detector alarms sounds, this means _____.	the detector sensor is sampling a space where the cargo vapor concentration is 30 percent by volume	an explosion is about to take place	the detector is sampling a space in which 30 percent of the atmosphere is explosive	a flammable vapor concentration exists at the sample point, but it is too lean to burn
1236	Tankers that are in service carrying "sour crudes" are faced with additional problems for their safe operation. One such problem is called "polyphoric oxidation" and results in _____.	additional time for tank cleaning.	a second scrubber, known as an alkaline scrubber, to be added in series to the "normal" scrubber.	particles of rust in the tanks reaching a high temperature during "gas free" operations.	a lighter grade of crude being needed for tank washing.

ID #	Question	Choice A	Choice B	Choice C	Choice D
1237	The "flammable limits" of an atmosphere are the _____.	two temperatures between which an atmosphere will self-ignite	upper and lower percentage of vapor concentrations in an atmosphere which will burn if an ignition source is present	upper and lower pressures between which an atmosphere will not burn	two temperatures between which an atmosphere will burn if an ignition source is present
1238	The "oil transfer procedures", required by the Coast Guard Oil Pollution Prevention Regulations (33 CFR), must include _____.	any special procedures inherent to that particular vessel for topping off tanks	the location, size, and barrel capacity of each tank that is capable of carrying oil	the emergency cleanup and containment procedures to be followed in the event of an oil spill	All of the above
1239	The abandon ship signal is _____.	a continuous ringing of the general alarm bells for at least 10 seconds	A continuous ringing of the general alarm, and sounding of the ships whistle	more than 6 short blasts and 1 long blast of the ships whistle and the same on the general alarm bells	a continuous sounding of the ships whistle
1240	The abandon ship signal sounded by the vessels whistle is _____.	6 short blasts and 1 long blast	more than 6 short blasts	more than 6 short blasts and 1 long blast	1 long blast of at least 10 seconds
1241	The abbreviation 'GM' is used to represent the _____.	height of the metacenter	righting arm	righting moment	metacentric height
1242	The advantage of using a dry chemical fire extinguishing agent is _____.	its good stability and non-toxicity	permanent extinguishment regardless of the reignition sources	its excellent cooling ability	all of the above
1243	The advantage of using a dry chemical fire extinguishing agent is _____.	permanent extinguishment regardless of the reignition sources	its excellent cooling ability	its good stability and non-toxicity	all of the above
1244	The air cylinder bottles in the survival craft should be refilled with _____.	oxygen	nitrogen	compressed air	nitrogen and oxygen
1245	The air regeneration canister on a survival craft is designed to _____.	assist in cold starting the engine	fill the accumulator bottles	help start the engine	remove carbon dioxide and provide oxygen
1246	The air regeneration canister on a survival craft should last approximately _____.	one hour	two hours	three hours	four hours
1247	The air spaces in the floor of an inflatable life raft will provide protection against _____.	asphyxiation from CO2	loss of air in the sides of the raft	rough seas	cold water temperatures
1248	The air spaces in the floor of an inflatable life raft will provide protection against _____.	asphyxiation from CO2	loss of air in the sides of the raft	rough seas	cold water temperatures
1249	The air spaces in the floor of an inflatable raft will provide protection against _____.	asphyxiation from CO2	loss of air in the sides of the raft	rough seas	cold water temperatures

ID #	Question	Choice A	Choice B	Choice C	Choice D
1250	The airborne concentrations of substances (such as hydrogen sulfide) under which nearly all workers may be repeatedly exposed without adverse effects are called _____.	exposure limits	concentration limits	threshold limit values	substance limit values
1251	The airflow depicted in figure 1 of the illustration is an example of which type of ventilation?	Horizontal.	Vertical.	Parallel.	Combination.
1252	The all-purpose, or combination nozzle is capable by itself of producing a solid stream of water _____.	only	and high velocity water fog	and low velocity water fog	and high and low velocity water fog
1253	The amount of expansion space to be left in a fuel tank when fuel oil is being received, is determined by the _____.	quantity of fuel to be received	flash point of the fuel as it is received	fuel temperature as it is received	viscosity of the fuel being received
1254	The amount of garbage disposed must be entered into the records maintained by each ship and stated in _____.	cubic meters	barrels, measured in 55 gallon drums	weight in either kilogram or pounds	cubic yards convertible to long tons
1255	The amount of Halon remaining in a fire extinguisher cylinder is determined by _____.	internal inspection	checking the quantity indicating gauge	weighing the cylinder	checking the tag
1256	The AMVER system for vessel in the Gulf of Mexico is administered by the _____.	U.S. Coast Guard	Minerals Management Service	Department of Energy	Corps of Engineers
1257	The angle to which a floating MODU, with a negative initial metacentric height, lies while at rest in still water is the angle of _____.	trim	yaw	heel	loll
1258	The atmosphere of an empty fuel tank is tested and designated "gas free". Which of the following statements is correct concerning this tank?	The concentration of flammable gas in the compartment is less than 10% of the lower flammable limit.	The tank should be frequently retested.	The gas free status is good as long as the initial conditions remain unchanged.	All of the above.
1259	The authority to grant an alternate procedure for oil transfer operations rests with the _____.	Nearest Coast Guard office	Officer-in-Charge, Marine Inspection	Area Commander	Captain of the Port
1260	The average of the observed drafts is known as _____.	mean draft	true mean draft	mean of the calculated drafts	draft at the center of flotation
1261	The backup system on an electric start survival craft is a _____.	hydraulic system	pneumatic system	spare battery	hand crank
1262	The bayonet catch on an all purpose nozzle is used to latch in place the _____.	mechanical foam nozzle	mechanical foam pick up tube	high velocity fog tip	chemical foam applicator
1263	The best extinguishing agent for fighting a burning mattress fire is the use of _____.	carbon dioxide	water in a solid stream	foam	dry chemical
1264	The best information on the nature and extent of damage on a MODU is obtained from _____.	alarms and monitoring devices	the toolpusher	personnel at the scene of the damage	person-in-charge of the affected spaces

ID #	Question	Choice A	Choice B	Choice C	Choice D
1265	The best means of combating an oil fire on the water surface near a vessel tied to the pier, is to use _____.	a fixed CO2 system	solid water streams directly into the fire	dry chemical around the fire	foam directed against the vessel's side
1266	The best method of extinguishing a class A fire is to _____.	remove oxygen from the area	smother the fire with foam	smother the fire with CO2	cool the substance below its ignition temperature
1267	The best way to combat an engine room bilge fire is through the use of a _____.	dry chemical extinguisher and solid stream water	foam extinguisher and low velocity water fog	foam extinguisher and solid stream water	foam and soda acid extinguishers
1268	The best way to effectively use a dry chemical type fire extinguisher in fighting a fire, is to _____.	discharge a stream horizontally and allow it to flow down evenly on all burning surfaces	discharge a stream at the base of the fire, starting at the near edge, and use side-to-side sweeping motions	play the stream off adjacent vertical surfaces until the area is blanketed	use concentrated amounts in small locations and put the fire out in sections
1269	The blocking open or absence of fire dampers can contribute to _____.	the accumulation of explosive gases	faster cooling of the fire	the fire spreading by way of the ventilation system	fixed foam systems to be ineffective
1270	The blowers of an inert gas generation system aboard a tanker, will be automatically secured if _____.	normal water supply at the water seal is lost	the temperature of the inert gas being delivered to the cargo tanks is more than 150°F	the cooling water supply to the scrubbers is lost	all of the above
1271	The breaking strength of the service lines of the rockets used with an impulse-projected, rocket type line throwing appliances is _____.	300 lbs	500 lbs	1000 lbs	1500 lbs
1272	The bypass valve on a self-contained breathing apparatus (SCBA) bypasses _____.	the regulator in an emergency	a breathing bag containing excessive pressure	oxygen to the atmosphere	the regenerator in an emergency
1273	The canopy of your life raft should _____.	go into place as the raft is inflated	be put up after everyone is aboard	be put up only in severe weather	be used as a sail if the wind is blowing
1274	The canopy of your life raft should _____.	go into place as the raft is inflated	be put up after everyone is aboard	be put up only in severe weather	be used as a sail if the wind is blowing
1275	The capacity of any life raft on board a vessel can be determined by _____.	examining the Certificate of Inspection	examining the plate on the outside of the container	referring to the Muster List ("Station Bill")	referring to the Shipping Articles
1276	The carbon dioxide cylinders of a fixed fire extinguishing system may be located inside the protected space if the quantity of CO2 required to protect that space is not more than _____.	300 pounds	400 pounds	500 pounds	600 pounds

ID #	Question	Choice A	Choice B	Choice C	Choice D
1277	The carbon dioxide cylinders of a fixed fire extinguishing system may be located inside the protected space if the quantity of CO2 required to protect that space is not more than _____.	100 pounds	300 pounds	600 pounds	900 pounds
1278	The carbon dioxide cylinders of a fixed fire extinguishing system may be located inside the protected space if the quantity of CO2 required to protect that space is not more than _____.	50 pounds	75 pounds	100 pounds	300 pounds
1279	The center of volume of the immersed portion of the vessel is the _____.	center of flotation	metacentric height	center of buoyancy	center of gravity
1280	The centrifugal brake mechanism incorporated in a lifeboat handling winch is intended to _____.	automatically stop the boat if electric power fails	mechanically stop the boat when the hand brake fails	hold the load suspended during lowering operations	automatically control the speed of lowering by gravity
1281	The characteristic odor of "rotten eggs" is normally associated with which toxic and poisonous gas?	nitrogen oxide	hydrogen sulfide	hydrogen chloride	sodium chloride
1282	The chief source of spontaneous combustion aboard tankers is _____.	JP4 cargo	gasoline cargo	kerosene cargo	oil soaked rags or rubbish
1283	The class of fire on which a blanketing effect is essential to extinguish the fire is _____.	class A	class B	class C	class D
1284	The Coast Guard Pollution Prevention Regulations (33 CFR) require a meeting before starting any oil transfer operation. That meeting must be between the _____.	master of the vessel and the terminal superintendent	master and chief engineer of the vessel and the terminal supervisor	terminal supervisor, Master of the vessel and the Coast Guard	person-in-charge of the oil transfer operations on the vessel and the person-in-charge of the oil transfer operations at the facility
1285	The Coast Guard requires machinery spaces and enclosed mud handling spaces to have _____.	remote ventilation shutdowns	remote pump shutdowns	alternative control stations	smoke and/or fire detection system
1286	The combined fan discharge rate in an inert gas system is related to the _____.	shore side loading rate	maximum cargo pump discharge rate	boiler forced draft fan rate	size of the largest cargo tank
1287	The component in an inert gas system used for cleaning the gas of solid and sulphur combustion products, while simultaneously cooling the inert gas, is called the _____.	filter	cooler	scrubber	purifier
1288	The component shown in the illustration would be installed in which of the following types of fire detection systems?	Fixed temperature	Rate-of-rise	Combined fixed temperature and rate-of-rise	Line type pneumatic

ID #	Question	Choice A	Choice B	Choice C	Choice D
1289	The correct method for connecting a grounding or bonding cable is to _____.	open switch, connect ground cable, close switch, and connect cargo hose	connect ground cable, open switch, and connect cargo hose	close switch, connect cargo hose, open switch, and connect ground cable	connect ground cable, connect cargo hose, open switch, and then close switch
1290	The correct name for the device shown in the illustration, is a/an _____.	suicide nozzle	fog applicator	combination nozzle	in-line fog nozzle
1291	The correct name for the devices shown in the illustration is a/an _____.	low velocity fog applicator	in-line foam applicator	high velocity fog applicator	smooth bore water nozzle
1292	The date of each fire and boat drill conducted on a MODU must be recorded _____.	in the official logbook	in the Operations Manual	on the Certificate of Inspection	on the Muster List ("Station Bill")
1293	The deck scuppers should be plugged _____.	only if fixed containment is not used	only if portable containment is not used	only if fixed containment drains are open	whenever the vessel is being fueled
1294	The designation "Not safe for men - Not safe for fire" means _____.	the gas or oxygen concentrations within a compartment is not within permissible limits	dangerous gases are present	the compartment was not tested due to the presence of ballast slops or bunkers	all of the above
1295	The device illustrated would be used to extinguish _____.	mattress fires	fires in an electronics console	small oil fires on the engine room floor plates	fires in an ullage opening
1296	The device shown in the illustration and indicated by the letter "E" holds the _____.	low velocity fog applicator in the all-purpose nozzle	mechanical foam nozzle in the all-purpose nozzle	mechanical foam pickup tube in the all-purpose nozzle	chemical foam applicator in the all-purpose nozzle
1297	The device shown in the illustration is a _____.	suicide nozzle	spanner hose pipe	fog applicator	mechanical foam nozzle
1298	The device shown in the illustration is used to _____.	produce both straight steam and fog patterns	prevent foreign matter from clogging hoses and nozzles	provide high velocity fog patterns	produce mechanical foam
1299	The difference between the average of the forward and aft drafts is _____.	list	heel	trim	flotation
1300	The difference between the forward and aft drafts of a vessel would be the _____.	list	heel	trim	flotation
1301	The difference between the initial trim of a vessel and the trim after a new load condition is known as _____.	angle of list	change of trim	angle of trim	change of draft
1302	The difference between the starboard and port drafts caused by a transverse shift in weight is called _____.	list	squat	trim	flotation
1303	The difference between the starboard and port drafts due to wind or seas is called _____.	list	heel	trim	flotation

ID #	Question	Choice A	Choice B	Choice C	Choice D
1304	The discharge side of every fire pump must be provided with a _____.	gate valve	pressure gage	check valve	strainer
1305	The distance between the bottom of the hull and the waterline is called _____.	tonnage	reserve buoyancy	draft	freeboard
1306	The document certifying the correctness of the load line marks on a MODU is called the _____.	Certificate of Inspection	Load Line Certificate	Certificate of Documentation	SOLAS Certificate
1307	The effects of free surface on initial stability depend upon the surface area dimensions of the free liquids and the _____.	volume of liquid in the tank	volume of displacement of the MODU	location of the tank in the MODU	height of the center of gravity of the MODU
1308	The emergency shutdown requirements of Pollution Prevention Regulations (33 CFR Part 155) apply to _____.	condensate pumps	air compressors	induced draft fans	cargo transfer systems
1309	The empty weight of a '100 pound' (45.4 kg) cylinder in a fixed CO2 system is 130 pounds (58.9 kg). What is the minimum acceptable total weight of the cylinder before recharging is required?	200 lbs (90.7 kg)	210 lbs (95.2 kg)	220 lbs (99.8 kg)	230 lbs (104.3 kg)
1310	The empty weight of a '100 pound' cylinder in a fixed CO2 fire extinguishing system is 130 pounds. What is the minimum acceptable weight of the cylinder before recharging would be required?	200 lbs	210 lbs	220 lbs	230 lbs
1311	The empty weight of a B-II CO2 fire extinguisher is 34 pounds, therefore, the full charged weight is _____.	44 lbs	49 lbs	54 lbs	59 lbs
1312	The Exclusive Economic Zone extends from the baseline of territorial sea of the United States seaward _____.	53 miles	100 miles	200 miles	300 miles
1313	The existence of liquids in partially full tanks or compartments of a MODU causes a virtual rise in the height of the _____.	metacenter	center of buoyancy	center of flotation	center of gravity
1314	The explosive range of a mixture of flammable vapors and air lies between the lower and upper explosive limits. These limits are specified as a percentage of _____.	flammable vapor by volume in air	the lower limit of explosibility of the mixture	oxygen present to support combustion	the temperature of the flash point
1315	The explosive range of a mixture of flammable vapors is specified as a percentage of _____.	flammable vapor by volume in air	oxygen present to support combustion	the temperature of the flash point	the lower limit of explosibility of the mixture
1316	The explosive range of benzene is 1.4% to 8% by volume in air. If you sample an empty tank that had contained benzene and obtained a reading of 50% L.E.L. on a combustible gas indicator, then the _____.	vapor/air mixture is too lean to burn	vapor concentration at the sample point is 0.7%	vapor/air mixture is not within the flammable range	all of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
1317	The explosive range of methane is 5% to 15% by volume in air. This means a vapor/air mixture of _____.	3 percent methane by volume is too rich to burn	20 percent methane by volume is too lean to burn	10 percent methane by volume is too rich to burn	5 percent methane by volume will give a reading of 100 percent L.E.L. on a combustible gas indicator
1318	The explosive range of petroleum vapors when mixed with air is _____.	0% to 1% by volume	1% to 6% by volume	6% to 12% by volume	12% to 20% by volume
1319	The external flotation bladder of an immersion suit should be inflated _____.	only after two hours in the water	only after four hours in the water	before entry into the water	upon enter into the water
1320	The external flotation bladder of an immersion suit should be inflated _____.	only after two hours in the water	only after four hours in the water	before entry into the water	upon entry into the water
1321	The external flotation bladder on an immersion suit should be inflated _____.	before you enter the water	after you enter the water	after one hour in the water	after you notice that your suit is losing buoyancy
1322	The external flotation bladder on an immersion suit should be inflated _____.	before you enter the water	after you enter the water	after one hour in the water	after you notice that your suit is losing buoyancy
1323	The external recognition light can be seen for up to two miles and is shown as item number _____.	3	5	8	23
1324	The factor contributing to the greatest effect on the ship's period of roll is the _____.	length of KB	vertical weight distribution	virtual rise in the center of gravity	moment to trim 1 inch (MT1)
1325	The factor contributing to the greatest effect on the ship's period of roll is the _____.	Vertical position of KB	vertical weight distribution	virtual rise in the center of gravity	moment to trim 1 inch (MT1)
1326	The Federal Pollution Prevention Regulations (33 CFR) that apply to ships are enforced by the _____.	Port Authority	U.S. Coast Guard	Corps of Engineers	State Pollution Board
1327	The fire alarm signal onboard United States flag merchant vessels is a continuous blast of the whistle for a period of not less than 10 seconds, supplemented by the continuous ringing of the general alarm bells for not less than 10 seconds. Where can this information be readily found aboard ship?	Certificate of Inspection	Muster List ("Station Bill")	SOLAS Safety Construction Certificate	Fire Alarm Zone Chart
1328	The fire alarm signal onboard United States flag merchant vessels is a continuous blast of the whistle for a period of not less than 10 seconds, supplemented by the continuous ringing of the general alarm bells for not less than 10 seconds. Where can this information be readily found aboard ship?	Certificate of Inspection	Muster List ("Station Bill")	SOLAS Safety Construction Certificate	Fire Alarm Zone Chart
1329	The fire extinguisher shown in the illustration is a _____.	cartridge-operated foam extinguisher	cartridge-operated dry chemical extinguisher	cartridge-operated CO2 type extinguisher	foam extinguisher

ID #	Question	Choice A	Choice B	Choice C	Choice D
1330	The fire extinguisher shown in the illustration requires the use of the puncture lever indicated by piece number _____.	1	3	4	5
1331	The fire extinguisher shown in the illustration should be filled with _____.	light water	foam	dry chemical	Halon 1301
1332	The fire extinguisher shown in the illustration will be charged with _____.	light water	chemical foam	carbon dioxide	dry chemical
1333	The fire extinguishing action of CO2 comes mostly from _____.	breaking the fire chemical chain reaction	smothering	cooling	isolating the heat from the fuel
1334	The fire extinguishing action of CO2 is derived mostly from _____.	a blanket of bubbles formed on the surface of the fire	smothering	cooling	isolating the heat from the fuel
1335	The fire extinguishing agent dispensed by the unit shown in the illustration, is produced by _____.	educting air through "D" and mixing it with water in chamber "E"	educting chemical foam through "D" and mixing it with water in chamber "E"	educting mechanical foam through "D" and mixing it with water and air in chamber "E"	educting air through "C", mechanical foam through "D", and mixing them with water in chamber "E"
1336	The fire extinguishing agent used in the fire extinguisher shown in the illustration is _____.	light water	chemical foam	dry chemical	carbon dioxide
1337	The fire extinguishing equipment shown in the illustration is a large _____.	CO2 hose reel system	dry chemical hose reel system	light water hose reel system	Halon 1301 hose reel system
1338	The fire fighting device shown in the illustration would be called a _____.	mechanical foam nozzle	chemical foam nozzle	dual hose connector	bending fire hose adaptor
1339	The fire hydrant outlet may be positioned from the horizontal to any position pointing _____.	45° upward	vertically upward	90° upward	vertically downward
1340	The fire main system should be flushed with fresh water whenever possible to _____.	help destroy marine growth	identify loose pipe joints	prevent corrosion of valve stems	eliminate cracking of fire hose linings
1341	The fire protection provided for the propulsion motor and generator of a diesel electric drive vessel is usually a _____.	fixed foam extinguisher	fixed CO2 system	steam smothering system	pressurized water sprinkler system
1342	The firefighting equipment shown in the illustration is a/an _____.	'suicide' nozzle	all-purpose nozzle	fog applicator	mechanical foam nozzle
1343	The fireman outfits required for MODUs are not to be used for any other purpose except for _____.	the oxygen and explosion meter when it is used for detection of flare gases	the self contained breathing apparatus, when used as protection from gas leaking from a refrigeration unit	the boots and gloves that are made of rubber or electrically non-conductive material, if used when repairing electrical equipment	the lifeline, if used by personnel entering a compartment which might be deficient of oxygen

ID #	Question	Choice A	Choice B	Choice C	Choice D
1344	The FIRST action in the treatment of a person suspected of having airway burns is to _____.	move him to a cool location	confirm and maintain an open airway	apply cool damp dressing to his neck	have him drink cool liquids
1345	The FIRST course of action in fighting a fire in a cargo or fuel oil tank is to _____.	secure all openings to the tank	discharge an initial charge of CO2 with a hand portable extinguisher	direct a fire hose into the tank and energize the fire main	spray the tank boundaries with a fire hose to promote cooling
1346	The first step to manually launch an inflatable life raft is to _____.	use the float-free method only	trip the hydrostatic release	pull on the operating cord to inflate the raft	release the gravity brake
1347	The FIRST step to take in fighting an engine room fire resulting from a ruptured fuel oil service line, is to _____.	evacuate all engine room personnel	fight the fire with hand portable extinguishers	activate the main CO2 bank	stop the flow of leaking fuel oil
1348	The fixed CO2 fire extinguishing system has been activated to extinguish a large engine room bilge fire. When is the best time to vent the combustible products from the engine room?	Immediately after the fire is extinguished.	One half-hour after the fire is extinguished.	After the metal surfaces have cooled down.	After any personnel in fireman outfits reenter the engine room.
1349	The flammable limits of Benzene are 1.4% to 8% by volume in air. If a combustible gas indicator is used to sample a tank that contains a Benzene vapor/air mixture of 0.7% Benzene vapor by volume in air, which of the listed indications will be observed on the meter?	The meter will deflect to the 70% explosive position.	The meter will deflect to the 50% explosive position.	The meter will deflect full scale and return to zero.	The meter will be unable to detect a concentration of 0.7% Benzene vapor in air.
1350	The flammable limits of benzene are 1.4% to 8% by volume in air. The instrument shown in the illustration is used to sample a tank that had contained benzene and a 90% reading is obtained. What percentage of benzene vapor would be indicated at the sampling point?	0.42%	0.98%	1.26%	7.20%
1351	The flammable limits of benzene are 1.4% to 8.0% by volume in air. If a reading of 50% of the lower explosive limit is obtained, using the meter shown in the illustration, the vapor concentration at the sample point is _____.	3.3% by volume	in the flammable range	too rich to burn	too lean to burn
1352	The flammable limits of kerosene are 0.7% to 6.0% by volume in air. The combustible gas indicator reading is 50% of the lower explosive level. The flammable vapor concentration at the sample point is _____.	too rich to burn	0.35%	2.65%	in the flammable range

ID #	Question	Choice A	Choice B	Choice C	Choice D
1353	The flammable limits of kerosene is 0.7% to 6.0% by volume in air. If a tank having contained kerosene is tested with the combustible gas indicator, shown in the illustration, and a reading of 50% is obtained, this means _____.	insufficient oxygen exists in the space to support life	the atmosphere contains 50% kerosene vapor by volume in air	the sample is below the lower explosive limit	the sample contains approximately 3.0% kerosene vapor by volume
1354	The flammable limits of methane by volume is 5% to 15%. If the combustible gas indicator reading is 50% when sampling a compartment containing methane, the flammable vapor concentration at the sample point is _____.	0.5% by volume	2.5% by volume	7.5% by volume	50.0% by volume
1355	The four basic components of a fire are chain reaction, heat, fuel, and _____.	carbon monoxide	oxygen	carbon dioxide	any gaseous substance
1356	The four basic components of a fire are fuel, heat, oxygen and a chain reaction. Which of the following statements best describes what must be eliminated to extinguish a fire?	Any one component can be eliminated to extinguish a fire.	Any two components must be eliminated to properly extinguish a fire.	Any three components must be eliminated to properly extinguish a fire.	All four components must be eliminated to extinguish any fire.
1357	The free surface corrections depend upon the surface area of the free liquids and the _____.	volume of liquid in the tank	displacement of the MODU	location of the tank in the MODU	height of the center of gravity of the MODU
1358	The free surface effects of a partially filled liquid tank decrease with increased _____.	density of the liquid	placement of the tank above the keel	displacement volume of the MODU	size of the surface area in the tank
1359	The free surface effects of a partially filled tank in a floating MODU, increase with the _____.	surface area of the fluid in the tank	displacement volume of the MODU	draft of the MODU	height of the tank above the keel
1360	The free surface effects of a partially full tank in a floating MODU decrease with the _____.	surface area of the tank	displacement volume	draft of the MODU	height of the tank above the keel
1361	The function of the lifeboat davit limit switch is to _____.	control the descent rate of a lifeboat	control the ascent rate of a lifeboat	cut off power to the winch when the lifeboat nears the final stowed position	cut off power to the winch when the lifeboat reaches the davit bumpers
1362	The function of the scrubber in an Inert Gas system is to _____.	cool the gases	remove solids from the gases	remove sulfur compounds from the gases	all of the above
1363	The fundamental treatment for preventing traumatic shock following an accident is to _____.	have the victim exercise to increase circulation	stay away from electrical equipment	keep the victim warm and dry while lying down	apply ice packs and avoid excitement
1364	The galley on your cargo vessel has an area of 2,900 square feet. According to 46 CFR Part 95, what will fulfill the requirements for fire protection?	One B-I extinguisher	One B-II extinguisher	One B-II and One C-II extinguisher	One B-III extinguisher
1365	The general signs and symptoms of a patient suffering from Shock are _____.	cold and clammy skin	rapid and shallow breathing	increased state of confusion	all of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
1366	The greatest danger in cold temperatures, when at sea in an inflatable life raft is _____.	asphyxiation due to keeping the canopy closed	hypothermia caused by the cold temperature	collapsing of the raft due to the cold temperature	starvation
1367	The greatest danger in cold temperatures, when at sea in an inflatable life raft is _____.	asphyxiation due to keeping the canopy closed	hypothermia caused by the cold temperature	collapsing of the raft due to the cold temperature	starvation
1368	The hand brake of a lifeboat winch is _____.	manually disengaged when hoisting a boat	applied by dropping the counterweighted lever	controlled by the centrifugal brake mechanism	automatically engaged if lowering speed is excessive
1369	The heading of a vessel is indicated by what part of the compass?	Card	Needle	Lubber's line	Gimbals
1370	The heat generated by a compartment that is on fire can be transferred through a metal bulkhead or deck. This process describes heat transfer by _____.	conduction	radiation	convection	absorption
1371	The heat generated by a fire can be transferred through a bulkhead or deck, as a direct result of _____.	conduction	radiation	convection	advection
1372	The high velocity fog tip used with the all-purpose firefighting nozzle should always be _____.	stowed separately in a clip or rack at each fire station	attached to the all-purpose nozzle by a chain	coated with heavy grease to prevent corrosion	painted red to be identified as emergency equipment
1373	The highest concentration of a harmful substance to which a person may be exposed without danger to health, is termed the _____.	odor threshold	threshold limit value	vapor pressure	tolerance point
1374	The horizontal distance between the vertical lines of the gravitational and buoyant forces is called the _____.	righting arm	metacentric height	metacentric radius	height of the center of buoyancy
1375	The horizontal fore and aft movement of a vessel is called _____.	yaw	sway	heave	surge
1376	The horizontal port, or starboard movement of a vessel is called _____.	yaw	sway	surge	heave
1377	The immersion suit requirements for MODUs apply to units operating in the Atlantic Ocean _____.	above 20 degrees North and below 20 degrees South	above 25 degrees North and below 25 degrees South	above 30 degrees North and below 30 degrees South	above 32 degrees North and below 32 degrees South
1378	The immersion suit requirements for OSVs apply to units operating in the Atlantic Ocean _____.	above 20 degrees North and below 20 degrees South	above 25 degrees North and below 25 degrees South	above 30 degrees North and below 30 degrees South	above 32 degrees North and below 32 degrees South
1379	The important initial stability parameter 'GM' is the _____.	metacentric height	height of the metacenter above the keel	height of the center of buoyancy above the keel	height of the center of gravity above the keel

ID #	Question	Choice A	Choice B	Choice C	Choice D
1380	The important stability parameter 'KG' is defined as the _____.	metacentric height	height of the metacenter above the keel	height of the center of buoyancy above the keel	height of the center of gravity above the keel
1381	The inclining experiment conducted on a merchant ship is the method for determining the exact location of the _____.	ship's displacement in seawater	position of the ship's center of gravity	position of the ship's center of buoyancy	position of the ship's metacenter
1382	The inside light in an inflatable life raft is turned on _____.	automatically as the life raft inflates	with a switch near the boarding handle	at night because the light has a photosensitive switch	by screwing the bulb in after the raft is inflated
1383	The inspection of portable fire extinguishers on a MODU must be _____.	accomplished by an authorized servicing representative	recorded by the person-in-charge	completed every six months	all of the above
1384	The instructions for launching lifeboats and life rafts on a MODU must be approved by the _____.	lease operator	Minerals Management Service	Coast Guard	person-in-charge of the unit
1385	The instructions for launching lifeboats life rafts on must be approved by the _____.	lease operator	Minerals Management Service	Coast Guard	person-in-charge of the unit
1386	The instructions for the launching procedures of controls rescue boats and life rafts on an OSV must be approved by the _____.	lease operator	Minerals Management Service	Coast Guard	person-in-charge of the unit
1387	The instrument shown in the illustration has not been used for several weeks. Prior to its use for testing a compartment, you should _____.	check or renew the batteries	purge the meter	adjust the meter pointer to zero	all of the above
1388	The instrument shown in the illustration is used to indicate the _____.	oxygen content of the atmosphere	diesel exhaust analysis by volume	boiler stack gas analysis by weight	concentration of explosive gases in a tank
1389	The International Oil Pollution Certificate required by MARPOL is issued to U.S. flag MODUs by the _____.	International Maritime Organization	U.S. Coast Guard	American Bureau of Shipping	Environmental Protection Agency
1390	The International Oil Pollution Prevention Certificate on a MODU is valid for a period of _____.	one year from the date of issue	two years from the date of issue	three years from the date of issue	four years from the date of issue
1391	The jackknife stored on an inflatable life raft will always be located _____.	in one of the equipment bags	in a special pocket near the forward entrance	on a cord hanging from the canopy	in a pocket on the first aid kit
1392	The jackknife stored on an inflatable life raft will always be located _____.	in one of the equipment bags	in a special pocket near the forward entrance	on a cord hanging from the canopy	in a pocket on the first aid kit
1393	The jettisoning of topside weight from a MODU serves which of the purposes listed?	It returns the MODU to an even keel.	It reduces free surface effect.	It lowers the center of gravity.	It raises the center of gravity.
1394	The jettisoning of topside weight from your ship serves which purpose?	It returns the ship to an even keel.	It reduces free surface effect.	It lowers the center of gravity.	It raises the center of gravity.

ID #	Question	Choice A	Choice B	Choice C	Choice D
1395	The knife edges and gaskets of watertight doors should be _____.	clean and uncoated	lightly coated with tallow	coated with petroleum jelly	painted to prevent weathering
1396	The knife on an inflatable life raft will always be located _____.	in one of the equipment bags	in a special pocket on the exterior of the canopy	on a cord hanging from the canopy	in a pocket on the first aid kit
1397	The lengthening of a crack formed in the shell plating of a ship may be prevented by _____.	welding brackets across both ends of the crack	chipping out and slot welding the entire crack	drilling a hole at each end of the crack	cutting a square notch at each end of the crack
1398	The lethal concentration of hydrogen sulfide that will result in death with short-term exposure is a minimum of _____.	100 ppm	200 ppm	400 ppm	700 ppm
1399	The lifeline which is part of a fireman's outfit must be _____.	made of steel or bronze wire rope	corrosion resistant	not less than 50 feet in length	All of the above
1400	The light on a personal flotation device on a MODU must be replaced _____.	when the power source is replaced	each year after installation	every six months	when it is no longer serviceable
1401	The light on a personal flotation device on a OSV must be replaced _____.	when the power source is replaced	each year after installation	every six months	as indicated by the expiration date
1402	The lights on the outside of the canopy of an inflatable life raft operate _____.	by turning the globe clockwise	by a switch at each light	by a light sensor	automatically when the raft is inflated
1403	The litter on a MODU must be capable of _____.	carrying at least two injured persons	floating for at least two hours	being used on the types of helicopters serving the unit	all of the above
1404	The longer an oil fire is permitted to burn, the _____.	harder it is to extinguish	easier it is to extinguish	less chance there is of reignition	easier it is to control
1405	The low velocity fog applicator used in conjunction with the all-purpose firefighting nozzle, should always be _____.	stored in the rack when not in actual use	attached to the nozzle by the chain	coated with heavy grease to prevent corrosion	left in place in the all-purpose nozzle
1406	The lowest temperature at which a liquid, listed on a Material Safety Data Sheet (MSDS), gives off enough vapor to ignite in the presence of an ignition source is called its _____.	boiling point	flash point	viscosity point	toxic point
1407	The lowest temperature at which the vapor formed from a liquid ignites in the presence of an ignition source and continues to burn steadily is called the _____.	flash point	fire point	upper explosive limit	lower explosive limit
1408	The lubber's line of a magnetic compass _____.	always shows true north	indicates the vessel's heading	is always parallel to the vessel's transom	is located on the compass card
1409	The lubber's line of a magnetic compass indicates _____.	compass north	the direction of the vessel's head	magnetic north	a relative bearing taken with an azimuth circle

ID #	Question	Choice A	Choice B	Choice C	Choice D
1410	The MAIN objection to the use of a dry chemical fire extinguisher on an electrical fire is that the _____.	extinguishing action is not as good as with soda acid	powder conducts electricity back to the fire fighter	dry chemical leaves a powder residue which may render electrical equipment inoperative	extinguisher will need to be recharged
1411	The master or person in charge of a MODU must record the date of each test of emergency lighting systems, power systems, the condition of each and the performance of the equipment _____.	on the Certificate of Inspection	on the Muster List ("Station Bill")	in the Operations Manual	in the official log
1412	The master or person-in-charge of a MODU is required to submit a casualty report of an intentional grounding when _____.	it creates a hazard to the vessel	it will last longer than 24 hours	it will last longer than 48 hours	it occurs in international waters
1413	The master or person-in-charge of a MODU is required to submit a casualty report of an international grounding under what condition?	At the owner's discretion	If it creates a hazard to navigation	If the grounding lasts over 48 hours	Under any condition
1414	The master or person-in-charge of a MODU shall insure that each deck from which lifeboats are launched is _____.	surfaced with a nonskid texture	roped off to prevent unnecessary access	kept clear of any obstructions that would interfere with launching	posted with a list of persons assigned to the lifeboat
1415	The master or person-in-charge of an OSV shall insure that each deck from which rescue boats are launched is _____.	surfaced with a nonskid texture	roped off to prevent unnecessary access	kept clear of any obstructions that would interfere with launching	posted with a list of persons assigned to the lifeboat
1416	The material or substance involved in a class "B" fire can be burning _____.	diesel oil	magnesium	dunnage	electrical insulation
1417	The maximum concentration of hydrogen sulfide to which workers may be regularly exposed without adverse effects is _____.	10 ppm	20 ppm	40 ppm	80 ppm
1418	The maximum draft to which a mobile offshore drilling unit may be safely loaded is called _____.	mean draft	calculated draft	deep draft	load line draft
1419	The maximum draft to which a MODU can legally be submerged is indicated by the _____.	Load Line mark	Certificate of Inspection	Muster List ("Station Bill")	Tonnage mark
1420	The midships house of your ship is constructed with an interior stair tower from the main deck to the bridge. According to 46 CFR Part 92.07, under which of the circumstances listed may the doors from each deck to the stair tower be kept open when underway?	They are to be kept closed at all times.	They may be kept open if the ventilation or air conditioning system is shut down.	They may be kept open if they can be automatically closed from the bridge.	They can be kept open if the Muster List ("Station Bill") has personnel designated to close them in case of fire.
1421	The minimum bursting pressure for each cargo hose assembly must be at least _____.	300 psi	400 psi	500 psi	600 psi

ID #	Question	Choice A	Choice B	Choice C	Choice D
1422	The minimum number of bolts necessary for a standard ANSI oil transfer hose temporary flange coupling (eight bolt hole flange) is _____.	two bolts	four bolts	six bolts	eight bolts
1423	The minimum number of portable C-II fire extinguishers required on the drill floor of a MODU is _____.	1	2	3	4
1424	The most beneficial assistance for a person having an epileptic convulsion is to _____.	give the victim artificial respiration	completely restrain the victim	give the victim one 30mg tablet of Phenobarbital	keep him from injuring himself
1425	The most common and widely used cooling agent used for fighting fires on merchant vessels is _____.	carbon dioxide	flue gas	water	steam smothering
1426	The most common cooling agent used for fighting fires on tank vessels is _____.	carbon dioxide	flue gas	water	steam smothering
1427	The most common type of containment device for spilled oil on the water is the use of _____.	straw	booms	skimmers	chemical dispersants
1428	The most critical part of the bunkering operations, which can result in an oil spill, is when the _____.	hose joints are made up	tanks are being topped off	system is being lined up	pumping operation is first started
1429	The most critical time for preventing an accidental oil spill during bunkering, is when the _____.	tanks are being topped off	fuel begins to come aboard	hoses are being blown down	hoses are being disconnected
1430	The most effective first aid treatment for chemical burns is to immediately _____.	apply ointment to burned area	flood the affected area with water	wrap the burn with sterile dressing	apply an ice pack to the burned area
1431	The most effective means for combating an oil fire on the water surrounding a vessel is to use _____.	high velocity fog over the fire	solid streams of water directed at the edge of the fire	dry chemicals over the fire	foam directed against the side of the vessel
1432	The most effective method in the use of a CO2 fire extinguisher is for the discharge to be directed at the _____.	middle of a fire	top and sides of a fire	base or nearest edge of a fire	highest flames of a fire
1433	The most effective method of extinguishing a class "A" fire is by _____.	quenching and cooling	using a sodium based dry chemical	blanketing and smothering	using non-conducting extinguishers
1434	The most effective treatment for warming a crew member suffering from hypothermia is _____.	running or jumping to increase circulation	raising body temperature rapidly by placing hands and feet in hot water	bundling the body in blankets to re-warm gradually	laying prone under heat lamps to re-warm rapidly
1435	The most effective warming treatment for a crew member suffering from hypothermia is _____.	running or jumping to create heat	lying in the sun	a warm water bath	laying prone under heat lamps to re-warm rapidly
1436	The most effective warming treatment for a crew member suffering from hypothermia is _____.	running or jumping to create heat	lying in the sun	a warm water bath	mouth-to-mouth resuscitation

ID #	Question	Choice A	Choice B	Choice C	Choice D
1437	The most effective way of applying carbon dioxide from a portable extinguisher to a fire is by _____.	forming a cloud cover over the flames	discharging the carbon dioxide to the top of the flame	directing the carbon dioxide at the base of the flame in a slow sweeping motion	bouncing the discharge off an adjacent bulkhead just above the burning surface
1438	The most essential element in the administration of CPR is _____.	to have the proper equipment for the process	the speed of treatment	the administration of oxygen	the treatment for traumatic shock
1439	The most essential element in the administration of CPR is _____.	to have the proper equipment for the process	the speed of treatment	the administration of oxygen	the treatment for traumatic shock
1440	The most frequent incidents of tanker pollution occurring during tanker operations is _____.	due to collisions	routine discharge of oil during ballasting and tank crude oil washing	loading and discharging	due solely to groundings
1441	The most frequent incidents of tanker pollution occurring during tanker operations is _____.	due to collisions	routine discharge of oil during ballasting and tank crude oil washing	loading and discharging	due solely to groundings
1442	The most important characteristic of a fire extinguishing agent to be used on electrical fires is for the agent to be _____.	non-conducting	flame resistant	easily removable	wet
1443	The MOST important element in administering CPR is _____.	having the proper equipment for the process	treating for shock	administering of oxygen	starting the treatment quickly
1444	The MOST important element in administering CPR is _____.	having the proper equipment for the process	treating for shock	administering of oxygen	starting the treatment quickly
1445	The most important property of any extinguishing agent used in fighting class "C" fires is the agent's _____.	cooling capacity	ability to suppress rekindling	nonconducting property	lack of fumes
1446	The most important reason for taking anti-seasickness pills as soon as possible after entering a life raft is to _____.	assist in sleeping	reduce appetite by decreasing nausea	prevent loss of body moisture by vomiting	prevent impaired judgment due to motion-induced deliriousness
1447	The most important reason for taking anti-seasickness pills as soon as possible after entering a life raft is to _____.	assist in sleeping	reduce appetite by decreasing nausea	prevent loss of body moisture by vomiting	prevent impaired judgment due to motion-induced deliriousness
1448	The most important thing to remember when launching an inflatable life raft by hand is to _____.	open the CO2 inflation valve	open the raft container	ensure that the operating cord is secured to the vessel	inflate the raft on the vessel, then lower it over the side

ID #	Question	Choice A	Choice B	Choice C	Choice D
1449	The most important thing to remember when launching an inflatable life raft by hand is to _____.	open the CO2 inflation valve	open the raft container	ensure that the operating cord is secured to the vessel	inflate the raft on the vessel, then lower it over the side
1450	The most likely location for a liquid cargo fire to occur on a tanker would be _____.	in the midships house	at the main deck manifold	at the vent header	in the pump room
1451	The most likely place for a fire to start through the process of spontaneous combustion is in _____.	an electrical switchboard	the pressure tanks	the fuel oil tanks	the oily rag bin
1452	The most practical method of extinguishing a class "A" fire, involving burning dunnage, is to use _____.	chemical foam	a hand portable CO2 extinguishers	Purple K powder and light water	water
1453	The Muster List ("Station Bill") of a MODU must be signed by the _____.	person-in-charge	Coast Guard marine inspection officer	company safety director	entire crew
1454	The Muster List ("Station Bill") shows each crew lifeboat station, their duties during abandonment, basic instructions, and _____.	all emergency signals	instructions for lowering the survival capsule	the time each weekly drill will be held	work schedule
1455	The Muster List ("Station Bill") shows each crew lifeboat station, their duties during abandonment, basic instructions, and _____.	all emergency signals	instructions for lowering the survival capsule	the time each weekly drill will be held	work schedule
1456	The necessity for administering artificial respiration may be recognized by the victim's _____.	vomiting	blue color and lack of breathing	irregular breathing	unconscious condition
1457	The necessity for administering artificial respiration may be recognized by the victim's _____.	vomiting	blue color and lack of breathing	irregular breathing	unconscious condition
1458	The No. 1 lifeboat on a ship would be found _____.	on the port side	on the starboard side	aft of the forward lifeboat on the port side	aft of the forward lifeboat on the starboard side
1459	The No. 2 lifeboat on a US flag vessel would normally be found _____.	on the port side forward	on the starboard side forward	aft of No. 1 lifeboat port side	aft of No. 1 lifeboat starboard side
1460	The No. 2 lifeboat on a vessel would be found _____.	aft of No. 1 lifeboat port side	aft of No. 1 lifeboat starboard side	on the port side	on the starboard side
1461	The No. 3 lifeboat would be _____.	next to boat No. 2 on the starboard side	aft of boat No. 1 on the port side	aft of boat No. 1 on the starboard side	aft of boat No. 2 on the port side
1462	The normal equipment of every rescue boat shall include _____.	buoyant oars	one 50 meter line	one first aid kit	all of the above
1463	The normal equipment of every rescue boat shall include one _____.	compass	one 50 foot line	one can opener	all of the above
1464	The object of plugging holes below the waterline on a MODU should be to _____.	eliminate all water entering through the hole	only plug holes in machinery or other vital spaces	reduce the entry of water as much as possible	plug the largest holes first

ID #	Question	Choice A	Choice B	Choice C	Choice D
1465	The objective of shoring the damaged area of a MODU is to _____.	force the warped, bulged, or deformed sections back into place	support and hold the area in the damaged position	withstand subsequent additional damage	make a watertight seal at the damaged area
1466	The 'off-load' release system on a survival craft is designed to be activated _____.	when there is no load on the cable	when there is a load on the cable	only when the doors are closed	when the engine is started
1467	The Oil Record Book for all U.S. ships _____.	is the property of the U.S. government	is to be kept in the personal possession of the Master	should not be used to record the accidental discharge of oily or oily mixtures	is required to have entries recorded within 48 hours of completion of the particular operation
1468	The Oil Record Book must be maintained onboard the vessel for _____.	not less than 3 years and be readily available for inspection	6 months and then submitted to the nearest Marine Safety Office for review	an annual inspection	the duration of the ship's active employment
1469	The oil transfer procedures aboard a tanker transferring oil are NOT required to contain _____.	the name of the person designated as the person in charge of transfer	a line diagram of the vessel's oil transfer piping	special procedures for topping off tanks	a description of the deck discharge containment system
1470	The oil transfer procedures required onboard vessels with a capacity of 250 or more barrels (39.7 cubic meters or more) of oil must contain _____.	a line diagram of the vessel's oil transfer piping	procedures for fighting oil fires	procedures for cleaning up oil spills	All of the above
1471	The only portable electrical lamp permitted in a compartment which is not gas free is a lamp that is _____.	battery fed	self-contained	approved explosion proof	All of the above
1472	The operating cord of the inflatable life raft has a length of _____.	6 fathoms	50 feet	100 feet	300 feet
1473	The operating cord on an inflatable life raft also serves as a _____.	lifeline	painter	drogue	marker
1474	The order of importance in addressing damage control on a MODU is _____.	control flooding, control fire, repair structural damage	restore vital services, control fire, control flooding	control fire, restore vital services, control flooding	control fire, control flooding, repair structural damage
1475	The order to abandon a MODU should only be given by the _____.	Offshore Installation Manager	Barge Engineer	Ballast Control Operator	Rig Safety Supervisor
1476	The overall responsibility in maintaining the Oil Record Book is given to _____.	Chief Mate	Chief Engineer	Master	Cargo Engineer
1477	The oxygen indicator is an instrument that measures the _____.	the amount of oxygen in the atmosphere of a confined space	amount of combustible gas as a percentage of the lower explosive limit in a confined space	concentration of CO2 as a percentage of oxygen in a confined space	None of the above
1478	The painter of an inflatable life raft must have a minimum length of _____.	36 feet	50 feet	100 feet	300 feet

ID #	Question	Choice A	Choice B	Choice C	Choice D
1479	The painter on a rigid life raft must have a length sufficient to reach the highest waterline plus an additional _____.	5 meters (16 feet)	10 meters (31 feet)	15 meters (50 feet)	20 meters (66 feet)
1480	The passive safety device installed on each Halon fire extinguishing cylinder, to prevent its over pressurization is called a _____.	safety valve	relief valve	rupture disc	control head
1481	The person on a MODU who is responsible for maintaining the engineering spaces in a clean and sanitary condition is the _____.	master, or person-in-charge	chief engineer, or engineer-in-charge if no chief engineer is required	senior mechanic, or mechanic on duty if no senior mechanic designated	senior electrician, or electrician on duty if no senior electrician designated
1482	The person-in-charge of a MODU shall insure that the fuel tank of each motor-propelled lifeboat is emptied, and the fuel is changed at least once every _____.	three months	six months	twelve months	twenty-four months
1483	The person-in-charge shall insure that each lifeboat on a MODU is lowered to the water, launched, and operated at least once every _____.	month	two months	three months	six months
1484	The person-in-charge shall insure that each rescue boat on a OSV is lowered to the water, launched, and operated at least once every _____.	month	two months	three months	six months
1485	The physical data term on a Material Safety Data Sheet (MSDS) describing whether a liquid is lighter or heavier than water is _____.	solubility	specific gravity	viscosity	flotation point
1486	The physical data term on a Material Safety Data Sheet (MSDS) that indicates if the vapor formed by a material is lighter or heavier than air is called _____.	vapor pressure	vapor gravity	vapor level	vapor density
1487	The physical difference of the water spray patterns developed by the high velocity fog tip and low velocity fog applicator is due to _____.	a difference in water pressure	the method of breaking up the water stream	the type of fire being fought	the capacity of the fire pump
1488	The piece of equipment shown in the illustration is used in conjunction with a fire hose to produce which of the listed fire extinguishing agents?	Chemical foam	Low velocity fog	Mechanical foam	High velocity fog
1489	The piece of equipment shown in the illustration is used with a fire hose to produce _____.	high velocity fog	mechanical foam	low velocity fog	light water
1490	The Pollution Prevention Regulations (33 CFR) prohibit draining _____.	waste oil into the slop tank	lube oil purifiers into the bilge	fuel oil heaters into buckets	lube oil strainers into drip pans
1491	The Pollution Prevention Regulations (33 CFR) prohibits draining _____.	fuel oil burners into buckets	oil transfer hoses into buckets	fuel oil strainers into the ship's bilges	lube oil strainers into fixed drip pans

ID #	Question	Choice A	Choice B	Choice C	Choice D
1492	The Pollution Prevention Regulations (33 CFR) require that no person may transfer oil to or from a vessel unless _____.	bonding cables are installed on all tanks	flange couplings are properly bolted	scuppers and drains are unplugged	an oil containment boom is ready for immediate use
1493	The Pollution Prevention Regulations (33 CFR) require that all oil spills in United States waters be reported immediately to the _____.	local port authority	Corps of Engineers	U.S. Coast Guard	state pollution board
1494	The Pollution Prevention Regulations (33 CFR) requires an emergency means of stopping the flow of oil during oil transfer operations. That emergency means may be a/an _____.	manually-operated quick-closing valve	self-closing automatic disconnect fitting	emergency pump control on the cargo deck	automatic pressure-sensitive oil flow regulator
1495	The Pollution Prevention Regulations (33 CFR) requires an emergency means of stopping the flow of oil during oil transfer operations. The emergency means must be operable from the _____.	usual operating station of the person-in-charge	bridge	engine room	emergency operating station of the person-in-charge
1496	The Pollution Prevention Regulations (33 CFR) requires that no person may transfer oil to or from a vessel unless _____.	all necessary components of the transfer system are lined up before the transfer begins	all unnecessary parts of the transfer system are open and drained	the transfer system is connected to a flexible overflow fuel hose	the transfer system is connected to an automatic back pressure shutoff nozzle
1497	The Pollution Prevention Regulations (33 CFR) state that a person may not transfer oil or hazardous materials to or from a vessel unless each person-in-charge has signed the _____.	machinery log	oil record book	valve inspection record	Declaration of Inspection
1498	The Pollution Prevention Regulations (33 CFR) state that a ship's oily bilge slops may be pumped in port only if the _____.	local port authority gives permission	local port authority has completed the required pollution inspection	discharge is led to a reception facility	engineer on watch has signed the declaration of inspection
1499	The powder in a dry chemical fire extinguisher _____.	is always ready for use and requires no attention	may cake up and fail to discharge properly if not occasionally agitated	deteriorates to an unusable condition within three years	puts out the fire with its cooling action
1500	The preferred fire extinguishing agent used in fighting a helicopter crash fire on a MODU is _____.	CO2	dry chemical	water	foam
1501	The preferred method of controlling external bleeding is by _____.	applying direct pressure on the wound	elevating the wounded area	applying pressure on a pressure point	applying a tourniquet above the wound

ID #	Question	Choice A	Choice B	Choice C	Choice D
1502	The pressure gages on the air cylinder and the regulator should be checked and compared before putting on a positive pressure type self-contained breathing apparatus. Which of the following is the maximum acceptable differential readings permitted to exist between the two gages?	20 PSI	200 PSI	1000 PSI	2000 PSI
1503	The primary concern in aiding a back injury patient is _____.	relieving the patient's pain by giving aspirin or stronger medication	avoiding possible injury to the spinal cord by incorrect handling	preventing convulsions and muscle spasms caused by the injury	providing enough fluids to prevent dehydration
1504	The primary concern in aiding a back injury patient is _____.	relieving the patient's pain by giving aspirin or stronger medication	avoiding possible injury to the spinal cord by incorrect handling	preventing convulsions and muscle spasms caused by pain	providing enough fluids to prevent dehydration
1505	The primary danger in helicopter fires occurring on a MODU is _____.	burning jet fuel running into the quarters or other areas	loss of the mooring system	rotating and flying debris	heat damage to helicopter structure
1506	The primary function of a "flue gas type" inert gas system is to _____.	produce 100% oxygen free gas	supply conditioned gas with reduced oxygen content	generate a high oxygen content gas	produce a gas of 100% pure nitrogen
1507	The primary function of an automatic sprinkler system is to _____.	instantaneously extinguish the fire which triggered it	limit the spread of the fire and control the amount of heat produced	protect people in the areas which have had sprinkler heads installed	alert the crew to the fire
1508	The principal effect of liquid free surface is dependent upon the volume of displacement of the vessel and the _____.	height of liquid in the tank	amount of liquid in the tank	dimensions of the liquid surface	weight of liquid in the tank
1509	The principle personnel hazard unique to Halon fire extinguishers is that _____.	Halon is lighter than air	it will produce skin irritation	it produces toxic vapor byproducts when exposed directly to flame	it will produce eye irritation immediately after discharge from cylinder
1510	The procedure of strengthening damaged structures on a MODU by using wood or steel is called _____.	bracing	battening	blocking	shoring
1511	The process that occurs when heat is generated by a chemical reaction within a substance and continues to a point of ignition is known as _____.	chemical ignition	spontaneous combustion	chemical combustion	radiation ignition
1512	The proper stimulant for an unconscious person is _____.	tea	coffee	whiskey and water	Ammonia inhalant
1513	The proper stimulant for an unconscious person is a/an _____.	vigorous shaking	sequence of back blows	pericardial thump	ammonia inhalant

ID #	Question	Choice A	Choice B	Choice C	Choice D
1514	The purpose for the bag or box on top of some survival craft is to _____.	right it in case of capsize	increase area for radar detection	act as a sail in case of a power loss	steady the craft in heavy seas
1515	The purpose of piece #3 on the fire extinguisher shown in the illustration, is to _____.	carry the extinguisher	initiate the pressurization of the extinguisher	indicate the state of charge of the extinguisher	hang the extinguisher on a bulkhead
1516	The purpose of the a vessels "inclining experiment" is to _____.	determine the location of the metacenter	determine the position of the lightship center of gravity	verify the hydrostatic data	verify data in the vessel's operating manual
1517	The purpose of the deck seal in an inert gas system is to prevent _____.	flow reversal of tank vapors into the machinery space	flue gas escaping to atmosphere	inert gas escaping to atmosphere	air entering inert gas system
1518	The purpose of the four water pockets, located on the underside at each corner of the raft, is to _____.	stow rainwater; these four spaces will not take up valuable space	act as stabilizers by filling with sea water as soon as raft is inflated and in an upright position	hold the freshwater required by regulation to be provided in the raft when packed	none of the above
1519	The purpose of the inclining experiment on a MODU is to determine _____.	lightweight and lightweight center of gravity location	the position of the center of buoyancy	the position of the metacenter	the maximum load line
1520	The purpose of the wire stretched between the lifeboat davit heads is to _____.	keep the movement of the davits at the same speed	keep the davits from slipping when they are in the stowed position	prevent vibration during lowering of the boat	support the manropes
1521	The quality of initial stability is indicated by _____.	GM	KM	Deck load	Maximum allowed KG
1522	The rate of expansion of heated fuel oil is _____.	approximately 1% for each 25°F (13.9°C) temperature rise	calculated in British Thermal Units	measured by weight	also called absolute viscosity
1523	The rate of expansion of heated fuel oil varies with the _____.	conductivity	viscosity	volume	specific gravity
1524	The reading of a combustible gas indicator indicates the percentage of the _____.	concentration of flammable gas in a compartment	lower explosive limit of a flammable gas concentration	upper explosive limit of a flammable gas concentration	concentration by weight of nonflammable gas in a compartment
1525	The reading on the combustible gas indicator, shown in the illustration, is obtained by burning the vapor sample within the instrument. How is the flame prevented from igniting the vapor within the space being tested?	The test burn occurs outside the tested space.	A series of baffles within the instrument prevents a flashback.	The length and diameter of the sampling tube are designed to prevent a flashback.	Flame arresters are placed at the inlet and outlet of the combustion chamber.

ID #	Question	Choice A	Choice B	Choice C	Choice D
1526	The recommended equipment for a pump room rescue aboard a tank vessel is a lifeline, harness, and breathing apparatus. The regulations state that each approved lifeline must _____.	be a new nylon line	be a minimum of a two inch line	not be less than 50 feet in length	not be more than 100 feet in length
1527	The regulations regarding Oil Record Books do not apply to MODUs that _____.	are on an international voyage	are on a voyage of more than 24 hours	have a valid International Oil Pollution Prevention Certificate	have a valid National Pollutant Discharge Elimination System permit
1528	The rekindling of a fire can occur when a fire, extinguished by smothering, is resupplied with oxygen. Which of the fire extinguishing agents listed, when properly used on an oil fire, will prevent rekindling?	Low velocity fog	High velocity fog	Chemical foam	Dry chemical
1529	The relief valve for a fire pump should be set at 25 psi above the pressure necessary to maintain the required fire hose streams, or at a minimum pressure of _____, whichever is greater.	50 psi	75 psi	125 psi	150 psi
1530	The required periodic inspection of MODU lifeboat winch control apparatus must include _____.	removal of electrical enclosure covers	removal of drain plugs from electrical enclosures	replacement of limit switches	disconnecting emergency switches
1531	The requirement to carry an Oil Record Book does not apply to a MODU that _____.	is not equipped to discharge overboard any oil or oily mixture	is on an international voyage to a country that is party to MARPOL	has an International Oil Pollution Prevention Certificate	has an oily water separator of sufficient capacity for the oil wastes generated
1532	The rescue boat on an OSV is not required to carry a _____.	fishing kit	searchlight	sea anchor	radar reflector
1533	The rescue boat on an OSV shall carry a tow line strong enough to tow the vessel's largest loaded life raft at a speed of at least _____.	one knot	two knots	five knots	ten knots
1534	The rescuer can best provide an airtight seal during mouth-to-mouth resuscitation by pinching the victim's nostrils and _____.	cupping a hand around the patient's mouth	keeping the head elevated	applying his mouth tightly over the victim's mouth	holding the jaw down firmly
1535	The rescuer can best provide an airtight seal during mouth-to-mouth resuscitation by pinching the victim's nostrils and _____.	cupping a hand around the patient's mouth	keeping the head elevated	applying his mouth tightly over the victim's mouth	holding the jaw down firmly
1536	The rescuer can best provide an airtight seal during mouth-to-mouth ventilation by pinching the victim's nostrils and _____.	cupping a hand around the patient's mouth	keeping the head elevated	applying his mouth tightly over the victim's mouth	holding the jaw down firmly

ID #	Question	Choice A	Choice B	Choice C	Choice D
1537	The rescuer can best provide an airtight seal during mouth-to-mouth ventilation by pinching the victim's nostrils and _____.	cupping a hand around the patient's mouth	keeping the head elevated	applying his mouth tightly over the victim's mouth	holding the jaw down firmly
1538	The reserve buoyancy of a ship consists of _____.	the void portion of the ship below the waterline which is enclosed and watertight	all cofferdams, double bottoms, and wing tanks that are slack	the part of the enclosed and watertight portion of a vessel above the waterline	the percentage of the volume of a compartment which can be occupied by water if flooded
1539	The reserve buoyancy of a vessel varies directly with changes in the vessel's _____.	free surface	freeboard	rolling period	none of the above
1540	The safe and efficient use of the face piece of a self-contained breathing apparatus is directly influenced by _____.	the donning of the face piece	the stowing of the facepiece	the maintenance of the facepiece	all of the above
1541	The safe rate of bunkering heavy fuel oil is directly related to the _____.	type of fuel transfer pump aboard	temperature of the fuel oil being received	size of the fuel storage tanks ashore	distance from the fuel oil storage tanks ashore
1542	The sea anchor shown as item number 18 will NOT _____.	check the liferaft's way	keep the life raft end on to the sea	reduce the possibility of broaching or capsizing	right the raft if it inflates inverted
1543	The sea painter of a lifeboat should be led _____.	forward and outside of all obstructions	forward and inside of all obstructions	up and down from the main deck	to the foremost point on the ship
1544	The sea painter of an inflatable life raft should be _____.	free running on deck	faked out next to the case	secured to a permanent object on deck via a weak link	stowed near the raft
1545	The sea painter of an inflatable life raft should be _____.	free running on deck	faked out next to the case	secured to a permanent object on deck via a weak link	stowed near the raft
1546	The sea painter on a rescue boat should be led _____.	forward and outside of all obstructions	forward and inside of all obstructions	up and down from the main deck	to the foremost point on the vessel
1547	The sections of an Oil Record Book preceding the log pages contain a _____.	damage control plan for isolating firemain valves	list of machinery space operation items	complete classification of hazardous materials	detailed listing of all organizations to call in the event of an accidental oil spill

ID #	Question	Choice A	Choice B	Choice C	Choice D
1548	The signal for a fire emergency on an OSV is _____.	a 30 second on 30 second off alternating signal	the continuous blast of the ships whistle for not less than 10 seconds supplemented by the continuous ringing of the general alarm bells for not less than 10 seconds	an intermittent ringing of the general alarm for not less than ten seconds	announced over the PA system
1549	The signal for abandon ship is _____.	three short blasts on the whistle or three rings on the general alarm	more than six short blasts and one long blast on the whistle and the same signal on the general alarm	rapid ringing of the ship's bell and general alarm for at least 10 seconds	four long blasts on the whistle and the same on the general alarm
1550	The signal for fire alarm on a MODU must be indicated _____.	at each alarm bell	at each alarm actuator	near all exits	on the Muster List ("Station Bill")
1551	The signal for lowering the ship's lifeboats is sounded on the ship's whistle as _____.	one short blast	two long blasts	three short blasts	one long blast
1552	The signal given to commence lowering the lifeboats is _____.	3 short blasts of the ship's whistle	1 short blast of the ship's whistle	3 long blasts of the ship's whistle	1 long blast of the ship's whistle
1553	The signal to man emergency stations on MODUs is _____.	a 30 second on - 30 second off alternating signal	the continuous ringing of the general alarm signal	an intermittent ringing of the general alarm for not less than ten seconds	announced over PA system
1554	The significant difference between the high velocity fog tip and the low velocity fog applicator used with the all-purpose nozzle is the _____.	difference in available water pressure	number of personnel required to effectively use each of them	degree to which the water stream is broken up	ability to exclude free oxygen
1555	The size of the fire hydrant hose connections must be either 1 1/2 inches or _____.	1 inch	2 1/2 inches	3 inches	3 1/2 inches
1556	The sorting of accident victims according to the severity of their injuries is called _____.	evaluation	triage	surveying	prioritizing
1557	The source of power for the CO2 discharge alarm siren is obtained from _____.	the emergency power and lighting bus	the general alarm 24 volt DC bus	the flow of CO2 under pressure	all of the above
1558	The spread of fire can be prevented by _____.	cooling surfaces adjacent to the fire	removing combustibles from the endangered area	reducing or limiting the oxygen supply	all of the above
1559	The spreading of fire as a result of heat being carried through a vessel's ventilation system, is an example of heat transfer by _____.	conduction	convection	radiation	windage

ID #	Question	Choice A	Choice B	Choice C	Choice D
1560	The sprinkler system of a survival craft is used to _____.	cool the craft in a fire	cool the engine	spray oil on the sea to calm it	spray personnel during a fire
1561	The stability existing after the unintentional flooding of a compartment on a MODU is called _____.	intact stability	initial stability	immersion stability	damage stability
1562	The stability of a vessel is normally the greatest when all double-bottom fuel and water tanks are full because the _____.	center of gravity is lowered	center of buoyancy is lowered	reserve buoyancy is unchanged	hull freeboard is increased
1563	The stability term for the distance between the center of gravity (G) to the Metacenter (M), when small angle stability applies is known as the _____.	metacentric height	metacentric radius	height of the metacenter	righting arm
1564	The stamped full weight of a 100 lb. CO2 cylinder is 314 pounds. What is the total minimum weight of the cylinder before it must be recharged?	282 lbs.	294 lbs.	300 lbs.	304 lbs.
1565	The state of charge of a stored pressure type dry chemical fire extinguisher can be readily determined by _____.	visual inspection of the pressure gage	weighing the cylinder	removing the lid and checking the level of dry chemical	weighing the CO2 cartridge
1566	The survival craft engine is fueled with _____.	kerosene	unleaded gasoline	diesel oil	liquefied gas
1567	The symbol labeled #2, as shown in the illustration, represents _____.	displacement	beam limit	bilge level	baseline
1568	The symbol labeled #2, as shown in the illustration, represents a vessels _____.	displacement	beam limit	center of buoyancy	baseline
1569	The symbol shown in the illustration and is used as the reference from which transverse measurements are made is _____.	5	4	3	1
1570	The symbol shown in the illustration and used to represent amidships, is indicated by number _____.	2	3	4	5
1571	The symbol shown in the illustration to represent the vertical plane midway between the fore and aft perpendiculars is _____.	2	3	4	5
1572	The symbol shown in the illustration used to represent displacement is _____.	1	2	3	4
1573	The symptoms of a fractured back are _____.	leg cramps in the muscles in one or both legs	pain and uncontrolled jerking of the arms and legs	vomiting and involuntary urination or bowl movement	pain at the site of the fracture and possible numbness or paralysis below the injury

ID #	Question	Choice A	Choice B	Choice C	Choice D
1574	The symptoms of a fractured back are _____.	leg cramps in the muscles in one or both legs	pain and uncontrolled jerking of the legs and arms	vomiting and involuntary urination or bowel movement	pain at the site of the fracture and possible numbness or paralysis below the injury
1575	The symptoms of heat exhaustion are _____.	slow and strong pulse	flushed and dry skin	slow and deep breathing	pale and clammy skin
1576	The symptoms of heat exhaustion are _____.	slow and strong pulse	flushed and dry skin	slow and deep breathing	pale and clammy skin
1577	The tanks used for oily waste on a new ocean going cargo ship of 6000 gross tons must meet certain requirements for isolation between oil and bilge systems. These requirements are set forth in _____.	33 CFR 155.370(b)2	46 CFR 56.50-50(h)	33 CFR 151.23(a)2	46 CFR 74.15-10(b)
1578	The temperature at which a liquid, as listed on a Material Safety Data Sheet (MSDS), will change to a gas is called its _____.	flash point	boiling point	condensation point	reactive point
1579	The tendency of a ship to resist a change in trim is _____.	the righting arm couple	longitudinal stability	metacentric height	transverse inclination
1580	The term "discharge", as it applies to the pollution regulations, means _____.	spilling	leaking	dumping	all of the above
1581	The term "load on top" is used on many crude oil carriers, is to provide a method for _____.	calculating the ullage in the cargo tanks	loading ballast by gravity	the loading of new cargo into a decanted slop tank as a procedure to minimize pollution	calculating the ratio of cargo expansion in a cargo tank
1582	The term "oil" as defined in the Pollution Prevention Regulations (33 CFR) means: _____.	petroleum in any form	animal or vegetable based oil	noxious liquid substances designated under Annex II of MARPOL 73/78	All of the above
1583	The term "oil", as used in the Pollution Prevention Regulations (33 CFR), means _____.	fuel oil only	crude oil only	liquefied petroleum gas	petroleum oil of any kind
1584	The term "oily mixture", as defined in the Pollution Prevention Regulations (33 CFR) includes _____.	sludge	oily ballast water	bilge slops	all of the above
1585	The term "segregated ballast" is defined in the Pollution Prevention Regulations (33 CFR) as ballast water introduced into a/an _____.	tank that is completely separated from the cargo oil and fuel oil systems	fuel settling tank for segregation from lighter fluids	oily water separator for segregation	isolated tank for analysis because of its noxious properties
1586	The three basic elements necessary for any fire are _____.	heat, gas, and flames	fuel, heat, and oxygen	heat, nitrogen, and fuel	fuel oil, nitrogen, and oxygen

ID #	Question	Choice A	Choice B	Choice C	Choice D
1587	The three positions of an all-purpose fire nozzle are _____.	forward: off, center: fog, back: solid stream	forward: solid stream, center: fog, back: off	forward: fog, center: solid stream, back: off	forward: off, center: solid stream, back: fog
1588	The tops of the thwarts, side benches, and the footings of a lifeboat are painted which of the following colors?	International orange	Yellow	White	Red
1589	The traditional signal to commence lowering lifeboats and life rafts is _____.	3 short blasts of the ships whistle	1 short blast of the ships whistle	3 long blasts of the ships whistle	1 long blast of the ships whistle
1590	The transfer procedures for oil products are required to be posted _____.	in the pilothouse	in the officer's lounge	in the upper pump room flat	where they can be easily seen or readily available
1591	The trim of a vessel is the _____.	value of the mean draft	degree of list	amount of roll	difference in fore and aft drafts
1592	The two courses of action to take if the underwater hull of a MODU is severely damaged, are to plug the opening and to _____.	dewater the compartment	establish and maintain flooding boundaries	secure power to the compartment	counter flood to maintain even keel
1593	The unit shown in the illustration is pressurized and operated by _____.	squeezing the spring-loaded nozzle	depressing the puncturing lever and squeezing the nozzle	removing the cartridge guard, lifting the puncturing lever, and squeezing the nozzle	tightening the vent cap and puncturing the cartridge seal
1594	The upper explosive limit (UEL) of a mixture of flammable vapors and air is defined as _____.	that concentration above which there is just enough flammable vapor to produce an explosion	that concentration above which the mixture is too rich to burn	the percentage of flammable vapor by volume in air sufficient to create an explosion	the percentage of oxygen present in the air sufficient to support combustion
1595	The Upper Explosive Limit (UEL) of a mixture of flammable vapors and air, is defined as _____.	the concentration above which just enough flammable vapor exists to produce an explosion	the concentration above which the mixture is too rich to burn	the percentage of flammable vapor by volume in the air sufficient to create an explosion	the percentage of oxygen present in the air sufficient to support combustion
1596	The upward force of displaced water is known as _____.	buoyancy	deadweight	draft	freeboard
1597	The use of sinking and dispersing agents for the removal of surface oil is _____.	the most common method used in the United States	too expensive for common use	generally safe to sea life	generally harmful to sea life
1598	The use of which type of fire extinguishing agent involves covering the burning surface by deflecting the agent from a bulkhead to avoid undue agitation?	Foam	Dry chemical	Carbon dioxide	Halon 1301

ID #	Question	Choice A	Choice B	Choice C	Choice D
1599	The usual method for effectively applying foam on a fire is by _____.	spraying directly on the base of the fire	flowing the foam down a vertical surface	sweeping the fire before you with the foam	spraying directly on the surface of the fire
1600	The value of the maximum righting arm is dependent upon the position of the center of buoyancy and the _____.	longitudinal center of gravity	transverse center of gravity	down flooding angle	vertical location of the center of gravity
1601	The value of the maximum righting arm is dependent upon the position of the center of buoyancy and the _____.	longitudinal center of waterplane area	transverse center of waterplane area	down flooding angle	position of the center of gravity
1602	The vapor explosive range of gasoline by volume is 1.0% to 6.0% in air. If a gasoline tank is sampled with an explosimeter, and the reading obtained is 30% L.E.L., the vapor concentration at the sample point is _____.	0.3% by volume	0.6% by volume	1.3% by volume	6.3% by volume
1603	The vapors given off by heated fuel oil are flammable, explosive, and _____.	lighter than air	heavier than air	odorless	nontoxic
1604	The vapors given off by heated fuel oil are heavier than air and are _____.	odorless	explosive	nontoxic	visible
1605	The vertical distance between "G" and "M" of a MODU is used as a measure of _____.	stability at all angles of inclination	initial stability	stability at angles less than the limit of positive stability	stability at angle less than the down flooding angle
1606	The vertical motion of a floating vessel is known as _____.	surge	sway	heave	pitch
1607	The volatility of a liquid is the tendency of a liquid to _____.	percolate	explode	asphyxiate	vaporize
1608	The volume of a floating MODU above the waterline that can be made watertight is its _____.	displacement volume	reserve buoyancy	gross tonnage	net tonnage
1609	The water in which a vessel floats provides vertical upward support. The point through which this support is assumed to act is known as the center of _____.	effort	flotation	gravity	buoyancy
1610	The weight of the liquid displaced by a vessel floating in sea water is equal to the _____.	weight required to sink the vessel	total weight of the vessel	displaced submerged volume	reserve buoyancy
1611	The wooden plug fitted tightly in the vent of a damaged tank may prevent the tank from _____.	filling completely	developing free surfaces	developing free surface moments	collapsing
1612	The wooden shoring shown in the illustration is bearing against the hatch coaming and is supporting a load in the direction indicated by the arrows. Which of the following statements is correct for the condition?	Shore "A" will support the greatest load.	Shore "A" will not slip under load.	Shore "B" will support the load without it cracking.	Shore "B" will crack at the pointed end.

ID #	Question	Choice A	Choice B	Choice C	Choice D
1613	The wooden shoring, shown in the illustration, is bearing against a hatch coaming. The load is applied in the direction indicated by the arrows. Which of the following statements is true?	Shore "B" will support the greatest load.	Shore "A" illustrates the recommended method of shoring.	Shore "A" will support the greatest load.	Shore "B" will slip under applied load.
1614	The word "discharge" as used in Pollution Prevention Regulations (33 CFR Part 151) applies to oil _____.	leaked into navigable waters	poured into navigable waters	pumped into navigable waters through a fixed piping system	all of the above
1615	The zipper of an immersion suit should be lubricated with _____.	the manufacturers recommended lubricant	epoxy resin consisting of at least two coatings	low temperature water-soluble oil	sealing compound used in life rafts
1616	The zipper of an immersion suit should be lubricated with _____.	the manufacturers recommended lubricant	epoxy resin consisting of at least two coatings	low temperature water-soluble oil	sealing compound used in life rafts
1617	There are two disadvantages to CO2 when used as a total flooding firefighting agent. One of these is the limited quantity available and the other is _____.	the lack of cooling effect on heated materials	it cannot be used in a dead ship situation without electrical power available to the CO2 pump	it breaks down under extreme heat to form poisonous gases	there is no effect on a class "A" fire even in an enclosed space
1618	There is always a lower water pressure at the fire hose outlet than is found at the discharge of the pump. Which of the following reasons is the common cause of this loss in pressure?	Leaky pilot valve	Leaky pump suction valve	Friction in the piping and valves	Wear in the hydrant
1619	Through which of the listed processes is sufficient heat produced to cause spontaneous ignition?	Heat of expansion	Latent heat of sublimation	Latent heat of condensation	Heat of oxidation
1620	Title 33 CFR Part 156 of the Pollution Prevention Regulations concerns _____.	oil and hazmat transfer operations	cargo vessel design	large oil transfer shore side facilities	pumping equipment design
1621	To activate an air regeneration canister on a survival craft, you _____.	put it into a container of water	tear off the tabs on the canister	turn it upside down	push 'on' button
1622	To avoid excessive electrostatic effect in the crude oil washing process, due to the presence of water in the crude oil washing fluid, the contents of any tank to be used as a source of crude oil for washing must first reduce a portion of the tank contents by a vertical height equal to _____.	one-half meter	one meter	one and one-half meters	two meters
1623	To avoid excessive pressures in the fuel oil filling system during bunkering, you should _____.	close the tank filling valves quickly	top off all tanks at the same time	fill one tank at a time	reduce the loading rate when topping off
1624	To avoid shock pressures in the fuel oil filling hoses while you are topping off tanks, the _____.	loading rate should be decreased	oiler should sound all tanks continuously	hoses should be looped	tank vent valves should be clear

ID #	Question	Choice A	Choice B	Choice C	Choice D
1625	To be in compliance with U.S. Federal Ballast Water Management regulations, which of the following procedures may be followed by an ocean vessel entering U.S. waters returning from an international voyage?	Prior to discharging ballast water in U.S. waters, the vessel must perform a complete ballast water exchange in an area no less than 100 nautical miles from any shoreline.	Ballast water may only be discharged overboard if the vessel is underway.	Prior to entering U.S. waters, a vessel may use any Coast Guard approved alternative environmentally sound method of BWM.	Ballast water may only be discharged overboard through an approved oily water separator.
1626	To be in compliance with U.S. Federal Ballast Water Management regulations, which of the following procedures may be followed by an ocean vessel entering U.S. waters returning from an international voyage?	Prior to discharging ballast water in U.S. waters, the vessel must perform a complete ballast water exchange in an area no less than 200 nautical miles from any shoreline.	Retain ballast water on board the vessel.	Prior to entering U.S. waters, use any Coast Guard approved alternative environmentally sound method of BWM.	All of the above
1627	To comply with the Pollution Prevention Regulations (33 CFR Part 155), regarding fuel oil discharge containment, a vessel of 300 or more but less than 1600 gross tons must have a fixed container or enclosed deck area under or around each fuel oil tank vent that has at least a _____.	5 U.S. gallon capacity	3 barrel capacity	2 barrel capacity which may be bolted in place below the loading manifold valves	one-half barrel capacity
1628	To detect the presence of explosive gases in any space, tank, or compartment, you should use a _____.	flame scanner	halide torch	combustible gas indicator	detector filament
1629	To determine if all requirements of the Declaration of Inspection are met for oil transfer operations prior to bunkering from a shore side facility, inspections are required to be made of both the bunkering facility and the vessel. What statement is true regarding	the vessel is responsible to provide an inspected oil hose	the bunker facility must be inspected by the designated person-in-charge of the vessel and vice versa for the vessel	vessel and bunker facility must be independently inspected by the designated persons-in-charge	vessel and bunker facility must be inspected by a representative of the Coast Guard Captain of the Port
1630	To determine that a compartment contains sufficient oxygen to sustain life, you should use a/an _____.	explosimeter	oxygen indicator	fresh air indicator	all of the above
1631	To determine the number of portable fire extinguishers required on a mobile offshore drilling unit, you should check the _____.	hot work permit	Certificate of Inspection	Safety of Life at Sea Certificate	operations manual
1632	To determine whether or not an adult victim has a pulse, the rescuer should check for the pulse at the _____.	carotid artery in the neck	femoral artery in the groin	brachial artery in the arm	radial artery in the wrist

ID #	Question	Choice A	Choice B	Choice C	Choice D
1633	To determine whether or not an adult victim has a pulse, the rescuer should check for the pulse at the _____.	carotid artery in the neck	femoral artery in the groin	brachial artery in the arm	radial artery in the wrist
1634	To effectively and safely combat a passageway fire, _____.	two hose teams should attack the fire from opposite directions	the fire should be attacked from above if possible	the fire should be attacked from one direction only	water must not be used if the passageway is above the metacentric height
1635	To effectively treat a person suffering from heat exhaustion, you should _____.	administer artificial respiration	put him in a tub of ice water	give him sips of cool saline solution	take his blood pressure
1636	To effectively treat a person suffering from heat exhaustion, you should _____.	administer artificial respiration	put him in a tub of ice water	give him sips of cool saline solution	take his blood pressure
1637	To extinguish a fire in an oil cargo tank, you should FIRST _____.	cool nearby decks and bulkheads with high velocity fog	secure any source of air supply by closing tank tops, ullage openings, PV valves, and other openings	activate the fixed CO2 system	activate the portable CO2 system
1638	To extinguish an electrical fire, you should use _____.	mechanical foam	chemical foam	carbon dioxide	soda acid
1639	To extinguish an electrical fire, your FIRST action should be to _____.	apply a low velocity fog	secure the power	Completely discharge a 15 pound (6.8 kg) CO2 extinguisher	apply mechanical or chemical foam
1640	To fight a class "C" fire, you should use carbon dioxide or _____.	mechanical foam	dry chemical	chemical foam	chemically treated saw dust
1641	To fight a large class "A" fire contained in a closed compartment, the nozzleman should open a door enough to insert the hose nozzle and initially _____.	sweep a straight stream around the compartment	hold the nozzle steady while applying a straight stream in the area where he suspects the source of the fire to be	sweep a fog stream around the compartment	hold the nozzle steady and direct a fog stream in the area where he suspects the fire
1642	To help keep injured survivors warm in the water, after abandoning ship, they should _____.	be placed in the middle of a small circle formed by the other survivors in the water	float on their backs with their arms extended for maximum exposure to the air	remove their lifejackets and hold on to the uninjured survivors	swim through the water at fifteen minute intervals
1643	To initially combat a fire, the ventilation system to a compartment should be secured to _____.	allow the exhaust fans to remove the smoke	lower the carbon monoxide smothering capabilities	reduce the amount of available oxygen to the fire	protect the fire fighters from smoke

ID #	Question	Choice A	Choice B	Choice C	Choice D
1644	To keep injured survivors warm in the water after abandoning a MODU, they should _____.	be placed in the middle of a small circle formed by the other survivors in the water	float on their backs with their arms extended for maximum exposure to the air	remove their lifejackets and hold on to the uninjured survivors	sip seawater at intervals of fifteen minutes
1645	To keep injured survivors warm in the water after abandoning an OSV, they should _____.	be placed in the middle of a small circle formed by the other survivors in the water	float on their backs with their arms extended for maximum exposure to the air	remove their lifejackets and hold on to the uninjured survivors	sip seawater at intervals of fifteen minutes
1646	To launch a life raft by hand, you should _____.	cut the casing bands, throw the life raft over the side and it will then inflate	detach the operating cord, throw the raft over the side and it will then inflate	cut the casing bands, throw the raft over the side and pull the operating cord	throw the life raft over the side and pull the operating cord
1647	To launch a life raft by hand, you should _____.	cut the casing bands, throw the life raft over the side and it will inflate	detach the operating cord, throw the raft over the side and it will inflate	cut the casing bands, throw the raft over the side and pull the operating cord	throw the life raft over the side and pull the operating cord
1648	To minimize the possibility of an explosion caused by the discharge of static electricity, the vessel should _____.	be electrically grounded to shore piping	have its electrical equipment insulated from its structure	have crew members use flashlights rather than AC lamps in vapor filled areas	have crew members use flame safety lamps during entry to areas that may contain explosive fumes
1649	To operate a CO2 fire extinguisher equipped with a squeeze grip handle, you are to remove the locking pin and _____.	raise the lower grip	invert the extinguisher	depress the upper grip	rotate the cutter disc valve wheel
1650	To operate the dry chemical fire extinguisher shown in the illustration, you must FIRST _____.	operate the squeeze grip valve	invert the extinguisher	depress the puncturing lever	remove the cartridge guard
1651	To prepare a low velocity fog applicator for use, _____.	replace the high velocity tip with the fog applicator and pull the handle to the middle position	insert the applicator in the solid stream outlet of the all-purpose nozzle and pull the handle back half way	replace the high velocity tip with the applicator and pull the handle back all the way back	insert the applicator in the solid stream outlet of the all-purpose nozzle and pull the handle back to the solid stream position
1652	To prevent an explosion when the pump room has not been certified gas free and repairs are to be carried out, the only type of portable electric equipment allowed in the pump room would be an approved _____.	explosion proof self-contained battery powered lamp	1/2 HP electric hand drill	marine drop lamp and extension cords	portable hand grinder

ID #	Question	Choice A	Choice B	Choice C	Choice D
1653	To prevent oil from escaping into the sea when ballasting through the cargo piping system, you should FIRST _____.	open sea suction valves, then start the cargo pump	start the cargo pump, then open sea suction valves	open block valves, then start the cargo pump	open sluice valves, then start the cargo pump
1654	To prevent oily rags from spontaneously igniting they should be _____.	kept in nonmetal containers	discarded as soon as possible	cleaned thoroughly for reuse	kept in the paint locker
1655	To prevent over pressurization when loading liquid petroleum products, cargo tanks must be fitted with a/an _____.	pressure-vacuum valve	ullage opening	over pressurization valve	equalizing line
1656	To prevent the spread of fire by conduction, you should _____.	cool the bulkheads around the fire	remove combustibles from direct exposure	close all openings to the area	shut off all electric power
1657	To prevent the spread of fire by convection _____.	cool the bulkhead around the fire	remove combustibles from direct exposure	close all openings to the area	shut off all electrical power
1658	To prevent the spread of fire by convection you should _____.	remove combustibles from direct exposure	cool the bulkhead around the fire	close all openings to the area	shut off electrical power
1659	To produce a low velocity water fog spray with an all-purpose fire hose nozzle, you must _____.	push the nozzle handle completely forward	change the fire pump discharge pressure	pull the nozzle handle completely back	insert a low velocity fog applicator
1660	To properly maintain fire hoses, you should _____.	keep them rolled tightly in the rack with female coupling protected	keep exterior linings damp by periodic wash downs	thoroughly drain them after each use	keep them partially filled with fresh water
1661	To reduce mild fever the MOST useful drug is _____.	bicarbonate of soda	paregoric	aspirin	aromatic spirits of ammonia
1662	To reduce mild fever the MOST useful drug is _____.	bicarbonate of soda	paregoric	aspirin	aromatic spirits of ammonia
1663	To release the davit cable of a davit launched life raft, you must _____.	pull the release lanyard	pull the hydraulic release	push the release button	pull on the ratchet handle
1664	To release the davit cable of a davit launched life raft, you must _____.	pull the release lanyard	pull the hydraulic release	push the release button	pull on the ratchet handle
1665	To safeguard the operator and other personnel working on or near a hoisting operation, which of the following precautions should be observed?	Keep a load on the hoist until all personnel are finished working.	Set the load on a movable dolly when transportation may be needed.	Have one man keep a hand on the load to steady it.	Insure that the lifting gear capacity is not exceeded.
1666	To safely enter a closed compartment, where CO2 has been released from a fixed extinguishing system, you should _____.	test the air with an Orsat apparatus	wear a self-contained breathing apparatus	wear a canister type gas mask	test the air with an explosimeter
1667	To serve as the person in charge of oil cargo transfer operations onboard a self-propelled tank vessel, an individual must _____.	be a certified tankerman (PIC)	be licensed only	be 30 years old	have a letter from the company stating his qualification
1668	To treat a person suffering from heat exhaustion, you should _____.	administer artificial respiration	put him in a tub of ice water	give him sips of cool water	cover him with a light cloth

ID #	Question	Choice A	Choice B	Choice C	Choice D
1669	To turn over a life raft that is floating upside down, you should pull on the _____.	canopy	manropes	sea painter	righting strap
1670	To turn over a life raft that is floating upside down, you should pull on the _____.	canopy	manropes	sea painter	righting lines
1671	To use a portable CO2 fire extinguisher, you must FIRST _____.	turn the tank upside down	pull the locking pin	open the valve on the side of the tank	shake thoroughly
1672	To which of the listed authorities must a MODU report a collision with an aid to navigation?	Nearest Oceanographic Office.	Captain of the Port.	National Ocean Service.	Appropriate Officer-in-Charge, Marine Inspection.
1673	Traditionally, the signal for fire aboard a vessel is _____.	More than six short blasts and one long blast on the whistle.	Continuous blast of the ship's whistle for a period of not less than 10 seconds supplemented by the same signal on the general alarm.	Three short blasts of the whistle supplemented by the same signal on the general alarm.	More than six short blasts and one long blast on the whistle supplemented by the same signal on the general alarm.
1674	Transverse oscillating rotation about the longitudinal axis of a vessel is known as _____.	pitching	rolling	swaying	surging
1675	Treatment of frostbite is to _____.	rub with ice or snow	rub briskly to restore circulation	wrap tightly in warm cloths	warm exposed parts rapidly
1676	Treatment of frostbite is to _____.	rub with ice or snow	rub briskly to restore circulation	wrap tightly in warm cloths	warm exposed parts rapidly
1677	Treatment of heat exhaustion should consist of _____.	moving to a shaded area and laying down	bathing with rubbing alcohol	placing patient in a tub of cold water	All the above
1678	Treatment of heat exhaustion should consist of _____.	moving to a shaded area and lying down	bathing with rubbing alcohol	placing patient in a tube of cold water	All of the above
1679	Treatment of sunstroke consists principally of _____.	cooling, removing to shaded area and having the victim lay down	bathing with rubbing alcohol	drinking ice water	All of the above
1680	Treatment of sunstroke consists principally of _____.	cooling, removing to shaded area and having the victim lay down	bathing with rubbing alcohol	drinking ice water	All of the above
1681	Treatment of sunstroke consists principally of _____.	cooling, removing to shaded area, and lying down	bathing with rubbing alcohol	drinking ice water	All of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
1682	U.S. Coast Guard Regulations (33 CFR), state that ocean going ships of 400 gross tons and above must be fitted with a standard discharge shore connection for the discharge of oily waste from machinery space bilges to reception facilities. The flange of this discharge connection must be _____.	suitable for a service pressure of 6 kg/cm²	designed to accept pipes up to a maximum internal diameter of 100 mm	10 mm in thickness	slotted to receive eight bolts and 20 mm in diameter
1683	U.S. Coast Guard Regulations require that no person may transfer oil or fuel to a vessel of 3000 gross tons constructed after June 30, 1974, unless each fuel tank vent overflow and fill pipe is equipped with a/an _____.	fixed container or enclosed deck area of one barrel capacity	portable container of at least 5 U.S. gallon capacity	automatic back pressure shutoff nozzle	quick-closing anti-spill valve
1684	U.S. flag ships may obtain an Oil Record Book from the _____.	Local MSO/COTPs/MIO's	Environmental Protection Agency	local courthouse	U.S. Customs Agency
1685	Under the regulations implementing MARPOL, a mobile offshore drilling unit is required to have an International Oil Pollution Prevention (IOPP) certificate when the unit _____.	is drilling on the Outer Continental Shelf	moves to a new drilling location in U.S. waters	engages in a voyage to a port of another country which is a party of MARPOL	All of the above
1686	Under Title 33 CFR, at or above what level of "Blood Alcohol Concentration" would constitute a crew member as being considered "Under the Influence of Alcohol" on a commercial vessel?	0.16%	0.12%	0.08%	0.04%
1687	Unless there is danger of further injury, a person with a broken bone should not be moved until bleeding is controlled and _____.	the bone has been set	the fracture is immobilized	radio advice has been obtained	the wound has been washed
1688	Used engine oil may be properly disposed of by _____.	draining it into the bilges	discharging it to a dockside oil waste station	pumping or throwing it over the side in port	dumping it in fuel storage tanks
1689	Using a sea anchor when in a life raft will _____.	reduce the drift rate of the life raft	keep the life raft from turning over	aid in recovering the life raft	increase your visibility
1690	Using a sea anchor will _____.	reduce the drift rate of the life raft	keep the life raft from turning over	aid in recovering the life raft	increase your visibility
1691	Using a sea anchor with the survival craft will _____.	reduce your drift rate	keep the survival craft from turning over	aid in recovering the survival craft	increase your visibility
1692	Using a sea anchor with the survival craft will _____.	reduce your drift rate	keep the survival craft from turning over	aid in recovering the survival craft	increase your visibility
1693	Vessel stability can be adversely affected by _____.	increasing the free surface effect	decreasing the free surface effect	ballasting down by the bow	ballasting down by the stern
1694	Vessel stability can be adversely affected by _____.	decreasing the laden draft	increasing the free surface effect	ballasting down by the bow	ballasting down by the stern
1695	Vessel stability is greatly affected when water or fuel tanks are partially filled as a result of the _____.	free surface effect	free communication effect	increase of buoyancy	decrease in draft

ID #	Question	Choice A	Choice B	Choice C	Choice D
1696	Victual waste is _____.	the final discharge of sewage treatment plants	any garbage that comes from food or food provisions	the resultant sludge that is collected after water washing a boiler	the final waste product of a manufacturing process
1697	Waste oil from the lube oil sumps of machinery may NOT be _____.	drained into the vessel's bilges	reclaimed for other uses	held in a slop tank	purified and then reused
1698	Water applied as a 'fog' can be more effective than water applied as a 'solid stream', because _____.	a given amount of water can absorb heat faster when it is in the form of fog	it reduces the total amount of water that must be pumped into the ship to fight a given fire	it does not have to hit the seat of fire to be effective	of all of the above
1699	Water ballast placed in a tank that has been crude oil washed, but not water rinsed, shall be regarded as _____.	clean ballast	dirty ballast	segregated ballast	crude oil
1700	Water fog is an effective fire extinguishing agent because it _____.	has a great cooling ability	will completely remove toxic fumes from the air	will completely remove combustible vapors from the air	does not leave a harmful residue on electrical machinery
1701	Water pockets on the under side of an inflatable life raft are for _____.	catching rain water	stability	easy drainage	maneuverability
1702	Water pockets on the under side of an inflatable life raft are for _____.	catching rain water	stability	easy drainage	maneuverability
1703	What additional precautions should be taken when making temporary repairs to a MODU that is operating while hydrogen sulfide is present?	Seal off all tank and compartment ventilation.	Remove all bulk materials from the P-tanks.	Provide respiratory protection and monitoring.	All of the above.
1704	What are the symptom(s) of a ruptured appendix?	Dilated pupils and shallow breathing	Diarrhea and frequent urination	Muscle tenseness in almost the entire abdomen	Extreme sweating and reddening of skin
1705	What are the symptoms of sunstroke?	Temperature falls below normal, pulse is rapid and feeble, skin is cold and clammy.	Temperature is high, pulse is strong and rapid, skin is hot and dry.	Temperature is high, pulse is slow and feeble, skin is clammy.	Temperature falls below normal, pulse is rapid, skin is clammy.
1706	What Coast Guard Regulations apply to the equipment of a fireman's outfit?	The assembled lifeline shall have a breaking strength of at least 2,500 pounds.	The helmet shall provide effective protection against impact.	The boots and gloves shall be fire retardant and water resistant.	All protective clothing must be electrically non-conducting.
1707	What danger to personnel exists when a carbon dioxide fire extinguisher is discharged in a small enclosed space?	Second degree burns	Electric shock	Suffocation	Burst eardrums
1708	What does the vapor pressure listed in Section III of a Material Safety Data Sheet (MSDS) indicate?	How fast a chemical gets into the air.	How much of the chemical can evaporate.	Whether the vapor is lighter or heavier than air.	How much force the vapor exerts inside a closed container.

ID #	Question	Choice A	Choice B	Choice C	Choice D
1709	What effect will transferring fuel oil from #1P double bottom to #3P double bottom have on the trim of a vessel?	The mean draft will increase.	The mean draft will decrease.	The forward draft will decrease.	The after draft will decrease.
1710	What first aid is appropriate for skin contact with tank residue from a cargo of leaded gasoline?	Cover the affected area with petroleum jelly.	Immerse the area in a solution of boric acid.	Wash the area with soap and water immediately.	Administer a strong stimulant and treat for shock.
1711	What information can be obtained from a marine chemist's certificate issued to a fishing vessel?	The number of fire extinguishers required onboard.	The quality of fuel in the vessel's tanks	The tanks which are safe to enter when the certificate was issued	The vessel's stability information
1712	What information can be obtained from a marine chemist's certificate issued to a fishing vessel?	The number of fire extinguishers required onboard.	The quality of fuel in the vessel's tanks	The tanks which were safe to enter when the certificate was issued	The vessel's stability information
1713	What information can be obtained from a marine chemist's certificate issued to an offshore supply vessel?	The vessel's stability information	The tanks which were safe to enter when the certificate was issued	The number of fire extinguishers required to be aboard	The quality of fuel in the vessel's tanks
1714	What information can be obtained from a marine chemist's certificate on a tank barge?	The number of fire extinguishers required onboard.	The quality of the barge's cargo.	The tanks which are safe to enter when the certificate was issued.	The barge's stability information.
1715	What information must be entered on the MODU Muster List ("Station Bill")?	Names of all crew members.	Use and application of special equipment.	Listing of approved emergency equipment.	Duties and station of each person during emergencies.
1716	What is a major advantage of using a positive pressure type self-contained breathing apparatus?	The equipment is lightweight and the wearer can work without difficulty in confined spaces.	The average operating time is over an hour.	The speed with which it can be put into operation is around 45 seconds.	Facial hair will not affect the mask performance.
1717	What is NOT requirement for testing the line throwing appliance on a vessel?	The appliance should be tested every three months	A regular service line should be used when testing	A regular projectile should be used when testing	An entry about the test must be made in the Official Log Book
1718	What is placed on the under side of an inflatable life raft to help prevent it from being skidded by the wind or overturned?	Ballast bags	A keel	Strikes	Sea anchor
1719	What is placed on the underside of an inflatable life raft to help prevent it from being skidded by the wind or overturned?	Ballast bags	A keel	Strikes	Sea anchor

ID #	Question	Choice A	Choice B	Choice C	Choice D
1720	What is the function of the small gas accumulator cylinder attached to the discharge piping of the engine room fixed CO2 system?	It absorbs the pressure shock to the piping resulting from the initial release of carbon dioxide.	It delays the release of carbon dioxide into the engine room.	It directly activates the warning siren in the engine room.	It controls the rate of discharge of carbon dioxide into the engine room.
1721	What is the maximum length of time that distress flares are approved for?	1 and 1/2 years	2 years	3 and 1/2 years	5 years
1722	What is the minimum period of time that the air supply for a self-contained breathing apparatus is required to last?	15 minutes	30 minutes	45 minutes	60 minutes
1723	What is the minimum period of time that the air supply for a self-contained breathing apparatus is required to last?	10 minutes	15 minutes	30 minutes	45 minutes
1724	What is the minimum required number of fire axes that must be carried on a mobile offshore drilling unit?	2	3	4	5
1725	What is the minimum required number of ring life buoys on a MODU?	4	8	12	16
1726	What is the minimum required number of ring life buoys on an OSV on ocean service ?	4	8	12	16
1727	What is the percentage of oxygen in a typical sample of uncontaminated air?	12%	15%	18%	21%
1728	What is the primary purpose for applying a splint when administering first aid?	Control bleeding	Reduce pain	Immobilize the fracture	Reset the bone
1729	What is the primary purpose of a splint when applied in first aid treatment?	Reduce pain	Control bleeding	Immobilize a fracture	Reset the bone
1730	What is the procedure for checking for spinal cord damage in an unconscious patient?	Beginning at the back of the neck, and proceeding to the buttocks, press the spine to find out where it hurts	Prick the skin of the hands and the soles of the feet with a sharp object to check for reaction	Selectively raise each arm and each leg and watch patient's face to see if he resisters pain	Roll patient onto his stomach and prick along the length of his spine to check reaction
1731	What is the purpose of an explosimeter?	To identify combustible gases.	To detect combustible gases.	To indicate the absence of oxygen.	All of the above.
1732	What is the purpose of opening the doors and portholes in figure 2 of the illustration?	To keep the hose teams cool.	To allow venting of combustion products from the fire to the atmosphere.	To provide airflow around the compartment in the order to contain the fire.	To allow water used to fight the fire to flow out of the superstructure.
1733	What is the purpose of the hydrostatic release on an inflatable life raft?	To release the raft from the cradle automatically as the ship sinks.	To inflate the raft automatically.	To test the rafts hydrostatically.	None of the above.

ID #	Question	Choice A	Choice B	Choice C	Choice D
1734	What is the purpose of the life raft hydrostatic release?	To release raft from the cradle automatically if the ship sinks	To inflate the raft automatically	To test rafts hydrostatically	None of the above
1735	What is the purpose of the life raft hydrostatic release?	To release raft from the cradle automatically as the ship sinks	To inflate the raft automatically	To test rafts hydrostatically	None of the above
1736	What is the required gas supply capacity of an inert gas system?	125% of forced draft rate	125% of shore side loading rate	125% of cargo pump capacity	125% of fan capacity
1737	What is the usual effect of moving weight from low in the vessel to above the main deck?	The stability is increased.	The draft is increased.	The stability is decreased.	The reserve buoyancy is decreased.
1738	What is the usual effect of moving weight from the main deck to a position lower in the vessel?	The stability of the vessel is increased.	The trim of the vessel is changed substantially.	The stability of the vessel is significantly decreased.	The vessel will list in proportion to the volume of the cargo shifted.
1739	What must be accurately determined to assess the potential for progressive flooding after a MODU has been damaged?	The integrity of the watertight boundaries.	The capacity of the water sprinkler system.	The operation of the machinery space bilge level alarms.	All of the above.
1740	What must be accurately determined to assess the potential for progressive flooding after your vessel has been damaged?	The integrity of the watertight boundaries.	The capacity of the water sprinkler system.	The operation of the machinery space bilge level alarms.	All of the above.
1741	What operational limitation should the user of a self-contained breathing apparatus be concerned with when using the device?	The weight of the unit changes the user's center of gravity.	The lens of the facepiece reduces the user's peripheral vision.	The attached lifeline limits the user's mobility.	All of the above are correct.
1742	What safety information can be found in the fire control plan that is posted or available in booklet form on your ship?	Location of fire doors	Location of the remote means of stopping fans	Particulars of the fire detecting system	All of the above.
1743	What safety precautions should be observed by the crew while working around machinery in an engine room?	They should wear safety shoes.	They should wear ear protection.	They should not wear jewelry.	All of the above.
1744	What should you do when the alarm bell on a self-contained breathing apparatus sounds?	Immediately evacuate the contaminated area.	Open the bypass valve on the regulator and immediately evacuate the contaminated area.	Move the reserve lever to the 'reserve' position on the regulator and reset the alarm so you can evacuate the area when it sounds again.	Move the tank selector lever to the full tank position and reset the alarm so you can evacuate the area when it sounds again.
1745	What should you do with your emergency position indicating radio beacon if you are in a life raft during storm conditions?	Bring it inside the life raft and leave it on.	Bring it inside the life raft and turn it off until the storm passes.	Leave it outside the life raft and leave it on.	Leave it outside the life raft but turn it off.

ID #	Question	Choice A	Choice B	Choice C	Choice D
1746	What should you do with your emergency position indicating radio beacon if you are in a life raft during storm conditions?	Bring it inside the life raft and leave it on.	Bring it inside the life raft and turn it off until the storm passes.	Leave it outside the life raft and leave it on.	Leave it outside the life raft but turn it off.
1747	What standard mathematical formula is commonly used to calculate a vessels waterplane area for stability purposes?	Standard Logarithmic Rule	Simpsons Rule	Reynolds Number Rule	Pythagorean Rule
1748	What term is listed on a Material Safety Data Sheet (MSDS) to describe a chemical that can produce life-threatening or seriously disabling health hazard ?	Low toxicity	Recommended toxicity	Moderate toxicity	High toxicity
1749	What would be a major consequence of allowing the refrigeration system of a low pressure fixed CO2 fire extinguishing system to remain inoperable?	The entire charge may eventually be lost due to CO2 boil-off venting through the relief valve.	Liquid CO2 would overflow from the tank through the drain line as the temperature increased.	Excessive condensation inside the tank would freeze causing a restriction in the discharge piping.	The warmed charge of CO2 would not be effective in extinguishing a fire.
1750	What would be considered the normal percentage of oxygen contained in the earths atmosphere at sea level?	8%	16%	21%	79%
1751	What would be the approximate internal pressure of a fully charged hand/portable 15 lb. CO2 fire extinguisher, stored at average room temperature?	50 PSI	200 PSI	400 PSI	850 PSI
1752	What would be the approximate internal pressure of a hand/portable 15 lb. CO2 fire extinguisher that has been partially discharged and lost 50% of its charge and stored in a "Used Extinguisher Locker" at room temperature?	50 PSI	200 PSI	400 PSI	850 PSI
1753	What would be the minimum distance from any shoreline that a vessel must be located before it is permitted to perform a complete ballast water exchange to be in compliance with U.S. Federal Ballast Water Management Regulations?	12 nautical miles	50 nautical miles	100 nautical miles	200 nautical miles
1754	What would be the most probable cause for a high pressure alarm to be activated in a Low Pressure CO2 fixed fire extinguishing system ?	An air leak has developed in the tank.	The tank cooling system has malfunctioned.	The pilot cylinder discharge valve is leaking.	An excessive amount of insulation has been installed on the tank and piping.
1755	When a cargo oil tank is being cleaned by crude oil washing while in port, _____.	the inert gas system must be properly operating in that tank	water should be allowed to settle on top before discharging	filters should be installed in bilge strainers to absorb oil before discharge overboard	the dock supervisor need not be notified before discharging oily mixtures overboard

ID #	Question	Choice A	Choice B	Choice C	Choice D
1756	When a cylinder is used to store CO2 in a fixed firefighting system and is retested in accordance with regulations, all flexible connections between cylinders and distribution piping must be renewed or tested at _____.	2750 psi	1500 psi	1000 psi	300 psi
1757	When a fire occurs in a ruptured oil cargo tank, caused by an explosion or collision, the best firefighting agent to use is _____.	water	CO2	foam	carbon tetrachloride
1758	When a floating MODU inclines to an angle slightly greater than the angle of loll, it will _____.	capsize	incline further	flop to the other side	return to the angle of loll
1759	When a fuel oil tank is being topped off during bunkering operations, the tank valve should be closed _____.	slowly to prevent surge stresses	to prevent gas from escaping through the pressure-vacuum relief valves	after the shore pumps are stopped	rapidly to prevent overflow
1760	When a helicopter is lifting personnel from a rescue boat, the other individuals in the boat should _____.	enter the water in case the person being lifted slips from the sling	stand on the outside of the boat to assist the person being lifted	remove their lifejackets to prepare for their transfer to the helicopter	remain seated inside to provide body weight for stability
1761	When a helicopter is lifting personnel from a survival craft, the other individuals in the craft should _____.	enter the water in case the person being lifted slips from the sling	stand on the outside of the craft to assist the person being lifted	remove their lifejackets to prepare for their transfer to the helicopter	remain seated inside the craft to provide body weight for stability
1762	When a helicopter is lifting personnel from an enclosed lifeboat, the other individuals in the boat should _____.	enter the water in case the person being lifted slips from the sling	stand on the outside of the boat to assist the person being lifted	remove their lifejackets to prepare for their transfer to the helicopter	remain seated inside to provide body weight for stability
1763	When a magnetic compass is not used for a prolonged period of time it should _____.	be shielded from direct sunlight	be locked into a constant heading	have any air bubbles replaced with nitrogen	have the compensating magnets removed
1764	When a MODU is inclined at a small angle, the center of buoyancy will _____.	remain stationary	move toward the low side	move toward the high side	move to the height of the metacenter
1765	When a patient is suspected of having appendicitis, the pain should be relieved by _____.	keeping a ice bag over the location of the appendix	giving the patient a laxative	giving the patient morphine sulfate	giving the patient aspirin with a glass of water
1766	When a patient is suspected of having appendicitis, the primary action is to _____.	give patient a laxative to relieve pain	give patient morphine sulfate to relieve pain	evacuate patient to a hospital	give patient aspirin with a glass of water
1767	When a person who has fallen overboard is being picked up by a rescue boat, the boat should normally approach with the wind _____.	astern and the victim just off the bow	ahead and the victim just off the bow	just off the bow and the victim to windward	just off the bow and the victim to leeward

ID #	Question	Choice A	Choice B	Choice C	Choice D
1768	When a rescue vessel approaches a lifeboat in heavy seas, the person in charge of the lifeboat should _____.	transfer all personnel immediately	tie up close to the rescue vessel	wait for calmer weather before transferring personnel	transfer only those personnel who are not seasick
1769	When a rescue vessel approaches a survival craft in heavy seas, the person in charge of the survival craft should _____.	tie up to the rescue vessel	transfer only those personnel who are not seasick	wait for calmer weather before transferring personnel	transfer all personnel immediately
1770	When a rescuer discovers a burn victim in the vicinity of electrical equipment or wiring, his first step is to _____.	remove the person from the vicinity of the electrical equipment or wiring	shutdown electrical power in the area	flush water over any burned area of the victim	apply ointment to the burned area of the victim
1771	When a rescuer discovers an electrical burn victim in the vicinity of electrical equipment or wiring, his first step is to _____.	flush water over any burned area of the patient	apply ointment to the burned areas on the patient	shutdown electrical power in the area	remove the patient from the vicinity of the live electrical equipment or wiring
1772	When a sea anchor for survival craft is properly rigged, it will _____.	completely stop the survival craft from drifting	help to prevent broaching	prevent the survival craft from pitching	prevent the survival craft from rolling
1773	When a ship is abandoned and there are several life rafts in the water, one of the FIRST things to be done is _____.	separate the rafts as much as possible to increase chances of detection	transfer all supplies to one raft	transfer all the injured to one raft	secure the rafts together to keep them from drifting apart
1774	When a ship is abandoned and there are several life rafts in the water, one of the FIRST things to be done is _____.	separate the rafts as much as possible to increase chances of detection	transfer all supplies to one raft	transfer all the injured to one raft	secure the rafts together to keep them from drifting apart
1775	When a ship is expected to encounter rough seas, it is a good safety practice to _____.	check for items which may become adrift and secure loose gear	move quickly about the ship	make available extra survival gear	maintain a negative trim on the vessel
1776	When a ship's low-pressure CO2 fixed fire extinguishing system is activated from a remote location, what determines the quantity of CO2 that will be released into the selected compartment?	A timer mechanism controls the discharge valve and is preset for the space being activated.	The discharge of CO2 will continue until the temperature of the space returns to ambient conditions.	The CO2 tank is divided into separate sections designated for each protected space.	The number of discharge nozzles in the space will determine the quantity released.
1777	When a tank vessel with a capacity of 250 barrels is transferring oil to a facility, the Pollution Prevention Regulations (33 CFR), require an emergency means to stopping the flow of oil which must be operable from _____.	two or more locations on the tank vessel	a remote location of equal distance from the tank vessel and facility	the usual operating station of the person in charge of the oil transfer	the engine room, cargo control room and bridge sequentially

ID #	Question	Choice A	Choice B	Choice C	Choice D
1778	When a tank vessel with a capacity of 250 barrels is transferring oil to a facility, the Pollution Prevention Regulations (33 CFR), require an emergency means to stopping the flow of oil which must be operable from _____.	two or more locations on the tank vessel	a remote location of equal distance from the tank vessel and facility	the usual operating station of the person in charge of the oil transfer	the engine room, cargo control room and bridge sequentially
1779	When a vessel is floating upright, the distance from the keel to the metacenter is called the _____.	metacentric differential	height of the baseline	height of the metacenter	righting arm
1780	When a vessel is inclined due to an external force, such as the action of seas in which no cargo shifts, the tendency of the vessel to return to its original position is caused by the shift in _____.	center of buoyancy	center of gravity	center of flotation	metacentric radius
1781	When a vessel is inclined, the tendency for it to return to its original position is caused by the _____.	movement of the center of gravity	movement of the center of buoyancy toward the low side of the vessel	upward movement of the center of flotation	increased free surface in the buoyant wedge
1782	When a vessel signals her distress by means of a gun or other explosive signal, the firing should be at intervals of approximately _____.	1 minute	3 minute	10 minutes	1 hour
1783	When abandoning a MODU, following the launching of the survival craft you should _____.	plot a course for the nearest land	take a vote on which direction you should go	stay in the immediate area	go one direction until fuel runs out
1784	When abandoning ship in an emergency situation, you should _____.	jump off feet first from the windward side	dive head first from the bridge	dive head first from the main deck	follow directly behind another person on the leeward side
1785	When abandoning ship, after launching the motor lifeboat you should _____.	plot course for nearest land	go only with the direction of the sea	stay in the immediate area	go one direction until fuel runs out
1786	When administering artificial respiration to an adult, the breathing cycle should be repeated about _____.	12 to 15 times per minute	18 to 20 times per minute	20 to 25 times per minute	as fast as possible
1787	When administering artificial respiration, it is of the utmost importance to _____.	use the mouth-to mouth method	clear airways	use rhythmic pressure method	know all approved methods
1788	When administering artificial respiration, it is of the utmost importance to _____.	use the mouth-to-mouth method	clear airways	use rhythmic pressure method	know all approved methods
1789	When administering artificial resuscitation to an adult, the breathing cycle should be repeated about _____.	12 to 15 times per minute	18 to 20 times per minute	20 to 25 times per minute	as fast as possible
1790	When administering chest compression during CPR, at what part of the victim's body should the pressure be applied?	Lower half of the sternum	Tip of the sternum	Top half of the sternum	Left chest over the heart
1791	When administering chest compression during CPR, at what part of the victim's body should the pressure be applied?	Lower half of the sternum	Right chest over the heart	Top half of the sternum	Left chest over the heart

ID #	Question	Choice A	Choice B	Choice C	Choice D
1792	When administering first aid you should avoid _____.	any conversation with the patient	instructing bystanders	unnecessary haste and appearance of uncertainty	touching the patient before washing your hands
1793	When administering first aid you should avoid _____.	any conversation with the patient	instructing bystanders	unnecessary haste and appearance of uncertainty	touching the patient
1794	When administering mouth to mouth rescue breathing to an adult, you should breathe at the rate of how many breaths per minute?	4	8	12	20
1795	When administering only mouth-to-mouth resuscitation, you should continue the victim's ventilation rate at how many inflations per minute?	4	8	12	20
1796	When administering only mouth-to-mouth resuscitation, you should continue the victim's ventilation rate at how many inflations per minute?	4	8	12	20
1797	When amendments are made to the shipboard oil pollution emergency plan, all revisions must be submitted to the Coast Guard _____.	one month prior to the anniversary date of the plan	six months prior to the end of the approval period	and cannot be implemented without approval	and can be implemented without immediate approval as long as final approval is received within six months of submittal
1798	When an electrical fire has been extinguished with a dry chemical agent, there is always a possibility of the _____.	machinery suffering thermal shock damage	fire being rekindled by spontaneous combustion	electrical contacts or relays being rendered inoperative	chemical crystals suffocating the fire fighter
1799	When an oil fire has been extinguished, the surface of the oil should be kept covered with foam to prevent _____.	air from contacting the oil vapors permitting reignition	boiling of the heated oil	spontaneous combustion below the oil surface	toxic fumes from escaping to the surface
1800	When any fire has been extinguished with carbon dioxide, there is always the danger of the _____.	fire being reignited by residual heat	machinery suffering thermal shock damage	dry ice crystals clogging the machinery	atmosphere containing a dangerous charge of static electricity
1801	When any tank or compartment is partially filled with a liquid free to move as the ship rolls, the free surface effect is present. This condition will usually _____.	increase reserve buoyancy	reduce ship stability	cause a permanent list	change the ship's trim
1802	When applying chest compressions on an adult victim during CPR, the sternum should be depressed about _____.	1/2 inch or less	1/2 to 1 inch	1 to 1 1/2 inches	1 1/2 to 2 inches
1803	When approaching a fire from windward, you should shield firefighters from the fire by using an applicator and _____.	low-velocity fog	high-velocity fog	a straight stream of water	foam spray

ID #	Question	Choice A	Choice B	Choice C	Choice D
1804	When artificial respiration is being given to an adult that shows indications of having a pulse, it should be administered _____.	4 to 6 times per minute	12 to 15 times per minute	20 to 30 times per minute	At least 30 times per minute
1805	When bunkering operations are completed, the hoses should be _____.	drained into drip pans or tanks	blown down with nitrogen or inert gas	steam cleaned and flushed with hot water	stowed with their ends open for venting
1806	When checking the level of a volatile liquid in a tank on the weather deck of a tank vessel, you should position yourself _____.	on the windward side of the opening	on the leeward side of the opening	at a right angle to the wind direction	so that the obstruction of your body will protect you from the fumes
1807	When collecting condensation for drinking water from the inside of a life raft, _____.	a sponge used to mop up and store condensation must be kept salt free	only condensation on the bottom of the canopy should be collected	it should be strained through a finely woven cloth	chlorine tablets should be used to make it drinkable
1808	When collecting condensation for drinking water, _____.	a sponge used to mop up and store condensation must be kept salt free	only condensation on the bottom of the canopy should be collected	it should be strained through a finely woven cloth	chlorine tablets should be used to make it drinkable
1809	When combating a class C fire, which of the following dangers may be present?	Flooding of the vessel	Increased surface area of the burning fluid	Water damage to machinery not involved in the fire	Toxic fumes from burning insulation or electric shock
1810	When combating a major electrical fire at sea, the main consideration is _____.	reducing the possibility of electrical shock to personnel	preventing a total loss of electrical power	preventing saltwater damage to electrical equipment	eliminating the toxic fumes from burning insulation
1811	When combating an oil fire in a deep tank aboard ship, water fog can be used to extinguish the fire and _____.	contain the burning liquid	prevent any deformation of the tank top	cool the surrounding metal	eliminate flammable combustion gases
1812	When compared to a high-expansion foam, a low-expansion foam will _____.	be dryer	be lighter	be more heat resistant	cling to vertical surfaces
1813	When compared to a high-expansion foam, a low-expansion foam will _____.	be dryer	be lighter	be less heat resistant	not cling to vertical surfaces
1814	When compared to low-expansion foam, a high-expansion foam will _____.	be less dense	be heavier	be more heat resistant	not cling to vertical surfaces
1815	When compared to low-expansion foam, a high-expansion foam will _____.	be wetter	be lighter	be more heat resistant	not cling to vertical surfaces
1816	When compared to other fire extinguishing agents, water fog _____.	has the greatest ability to produce foam	has the greatest cooling ability	will completely remove toxic fumes from the air	will completely remove combustible vapors from the air
1817	When completing the ballasting operation of a contaminated tank, which of the following problems must be guarded against?	Back flow of contaminated water	Loss of pump suction	Insufficient pump pressure when topping off	Motor overload due to high discharge head

ID #	Question	Choice A	Choice B	Choice C	Choice D
1818	When discharging clean ballast, prior to entering the loading port, if the ballast is determined by the oil monitor to exceed 15 parts per million of oil, the deballasting must _____.	be completely discharged in order to load	be terminated automatically	be stopped until the oil can settle out, then resumed at a slower discharge rate	be completed only after "load on top" has been completed
1819	When discharging the main bank of fixed CO2 into a major engine room fire, CO2 pressure is used to _____.	discharge each bottle	sound the ships general alarm	secure the ventilation fan damper controls	All of the above.
1820	When dumping garbage into the sea, other than special areas, _____.	the U.S. Coast Guard must be notified for each occurrence	records must be provided and maintained for two years	an entry into the official log book must be made	no record is required if dumping is carried out more than 25 miles offshore and there is no included plastic material
1821	When entering a burning compartment equipped with a fire hose and an all-purpose nozzle, you should first direct _____.	a straight stream into the center of the space	the high velocity fog into the center of the space	the high velocity fog at the overhead to absorb heat	the high velocity fog at the deck to cool it for entry
1822	When entering a burning compartment equipped with a fire hose and an all-purpose nozzle, you should first direct _____.	a straight stream aimed at the flames of the fire	the high velocity fog into the center of the fire	the high velocity fog at the deck to cool it for entry	the high velocity fog at the overhead to absorb heat
1823	When entering a compartment which is on fire, _____.	you must wear rubber gloves	the flames should be beaten back from the door with water fog	a straight stream of water should be used to cool the door	a straight stream of water should be used to cool the fire fighters
1824	When entering the pump room of a tank vessel to rescue an unconscious person, which items of the equipment listed are you required to be using?	Protective clothing and explosion-proof flashlight	Flame safety lamp and resuscitation equipment	Combustible gas indicator and canister gas mask	Self-contained breathing apparatus and lifelines
1825	When fighting a fire in an enclosed space, the hose team should crouch as low as possible to _____.	protect themselves from smoke	obtain the best available air	allow the heat and steam to pass overhead	All of the above
1826	When fighting a fire on deck with foam, you should _____.	play the foam stream directly on the burning oil	play the foam stream off nearby vertical vessel structures	only use the foam on flowing liquids	play the foam stream on the base of the fire with whirling motion
1827	When fighting a fire with a portable dry chemical extinguisher you should always _____.	direct the stream of chemical toward the base of the fire	attack the fire from the leeward side	bounce the chemical onto the fire from adjacent structural members	spray the chemical across the tops of the flames
1828	When fighting a large fire on your vessel and attacking it from ABOVE the space on fire, it is important to _____.	rotate personnel due to heat stress	station personnel on the hot deck immediately above the fire	stay low by kneeling or crouching on the deck	All of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
1829	When fighting a large fire on your vessel and attacking it from ABOVE the space on fire, it is important to _____.	not rotate personnel for consistency	stand erect and not stay low or crouch on the deck	station personnel on the hot deck, immediately above the fire	All of the above
1830	When fighting a large fire on your vessel and attacking it from ABOVE the space on fire, it is important to _____.	not rotate personnel, in order to consistently and quickly extinguish the fire	station personnel on the hot deck, immediately above the fire	cool the deck directly above the space of the fire	All of the above
1831	When fighting a liquefied natural gas fire, you should _____.	use only carbon dioxide	use only dry chemical	extinguish the fire, then secure the source of gas	secure the source of gas, then extinguish the fire
1832	When fighting a machinery space fire, you should operate a fixed CO2 system by opening the control valve to the space protected and _____.	visually checking to see that CO2 is discharging through the piping	operating a separate control to release CO2	listening for the sound of the warning siren	modulating the proper amount of CO2 from individual bottles
1833	When fighting a shipboard fire, crew members securing doorways, hatches, and applying cooling water to adjacent decks and bulkheads, while monitoring the spread of heat and smoke, are setting a _____.	safety perimeter	fire boundary	buffer zone	cooling zone
1834	When fighting a spreading fire resulting from a broken fuel line, you should FIRST _____.	look for a CO2 extinguisher	use a soda acid extinguisher	shut off the fuel supply	smother the fire with rags
1835	When fighting an electrical fire, you should first _____.	stop ventilation to the area	stop the vessel	secure electricity to the circuit	apply CO2 to the fire
1836	When fighting an oil or gasoline fire, which of the listed fire extinguishing agents should NEVER be sprayed directly into the fire?	Halon	Solid water stream	Low velocity fog	Steam smothering
1837	When fighting the fire depicted in figure 1 of the illustration, which letter denotes where the attack hose line would be used?	A	C	D	E
1838	When fire detecting systems, fire extinguishing systems, and associated equipment are not required by the Coast Guard but are installed on a cargo vessel at the option of the vessel's owner, they _____.	need only to be Coast Guard inspected and/or tested after their initial installation	must be removed from the vessel as the only systems allowed and approved are those listed on the Coast Guard Certificate of Inspection	must also be inspected and/or tested in accordance with Coast Guard Regulations at each Inspection for Certification	are exempt from all tests and/or inspections as normally required by a Coast Guard inspector if maintained in a suitable working condition and used only as a back up
1839	When firing a pyrotechnic distress signal, it should be aimed _____.	into the wind	straight ahead	at the vessel whose attention you want to attract	approximately 60° above the horizon

ID #	Question	Choice A	Choice B	Choice C	Choice D
1840	When flooding occurs in a damaged vessel, reserve buoyancy _____.	decreases	remains the same	increases	shifts to the low side
1841	When fuel tanks are being topped off, the person-in-charge of bunkering is directly responsible for the _____.	loading rate	vessel draft readings	quality of fuel received	temperature of fuel received
1842	When fuel tanks are being topped off, the person-in-charge of bunkering should carefully monitor the _____.	loading rate	vessel draft readings	quality of fuel received	temperature of fuel received
1843	When fueling, it is important to ground the ship with regard to static electricity. Therefore, you must connect the _____.	fuel hose before the bonding cable	bonding cable only if sparks are seen	bonding cable before the fuel hose has been connected	bonding cable through a ground fault circuit breaker
1844	When giving first aid, you should understand how to conduct primary and secondary surveys in addition to _____.	which medications to prescribe	how to diagnose an illness from symptoms	the limits of your capabilities	how to set broken bones
1845	When handling petroleum products, static electricity is generated by moving machinery and _____.	a grounded person	the flowing petroleum liquids	stray electric currents	a short circuit
1846	When hydrogen sulfide has been encountered on a MODU, or is anticipated, monitoring devices must sound an alarm (differing from the lower concentration alarm) or otherwise warn employees when the concentration of the gas reaches or exceeds how many parts per million?	20	50	100	200
1847	When hydrogen sulfide is burned (flared) on a MODU, which of the following conditions can be expected to occur?	All of the hydrogen sulfide will be converted to sulfur dioxide.	All of the hydrogen sulfide will be converted to hydrogen and free sulphur.	Only 80% of the hydrogen sulfide will be converted to sulfur dioxide or free sulphur.	The hydrogen sulfide not converted will not be dangerous.
1848	When in a life raft, the use of a sea anchor will _____.	reduce your drift	keep the life raft from turning	aid in recovering the life raft	increase your visibility
1849	When inspecting a stored inflatable life raft on deck, you should make sure that the operating cord is _____.	fastened to the float-free link	not fastened to anything	secured to the hydrostatic release	fastened to the raft container
1850	When inspecting a survival craft, you should check to make sure that the _____.	sea anchor is deployed	hydraulic starting system has been drained	hydraulic pressure is within the specified range	steering controls are locked
1851	When involved in fighting a fire aboard a ship with an aluminum superstructure, it is important to remember that aluminum structures exposed to the high heat _____.	generate poisonous fumes	are more susceptible to collapse than steel structures	are susceptible to spontaneous ignition	all of the above
1852	When is it required for a dry chemical fire extinguisher to be recharged?	After each use	When the air temperature exceeds 90°F	Every six months	Every 12 months

ID #	Question	Choice A	Choice B	Choice C	Choice D
1853	When is it required for carbon dioxide fire extinguishers to be recharged?	At least once each year.	Each time the vessel dry-docks.	When the charged weight decreases by 10%.	When the trigger seal has been broken.
1854	When jumping into water upon which there is an oil fire, you should _____.	break the water surface with your hands when diving head first	use your hands to hold your knees to your chest	cover your eyes with one hand while pinching your nose shut and covering your mouth with the other	enter the water at the bow or stern, on the windward side of the vessel
1855	When launching a lifeboat, frapping lines should be rigged _____.	before the gripes are released	before the boat is moved from the davits	before the tricing pendant is released	after the boat is in the water
1856	When launching an inflatable life raft, you should make sure that the operating cord is _____.	fastened to some substantial part of the vessel	not fastened to anything	secured to the hydrostatic release	fastened to the raft container
1857	When launching an inflatable life raft, you should make sure that the operating cord is _____.	fastened to some substantial part of the vessel	not fastened to anything	secured to the hydrostatic release	fastened to the raft container
1858	When lowering lifeboats as the vessel is pitching in heavy seas, a good practice is to rig frapping lines _____.	on only the forward falls	on only the after falls	fore and aft with a lead of about 45° to the boat	from the falls to the tricing gear
1859	When making a permanent repair to an inflatable life raft using a repair kit, how long after the repair is made should you hold off 'topping up' the lost air?	You do not have to hold off	12 hours	24 hours	2 hours
1860	When making entries in the Oil Record Book, all quantities should be _____.	recorded as cubic meters with a conversion to barrels	verified by the Chief Engineer	recorded directly from the oil discharge monitor	consistently recorded through the Oil Record Book in one specified unit (gallons, barrels, cubic meters)
1861	When making entries in the Oil Record Book, the date, operational code, and item number shall be inserted in the appropriate columns. Furthermore, the required particulars shall be _____.	recorded only for accidental oil discharges	recorded only for operations involving discharge of oily waste	signed by the oiler who enters them in the Oil Record Book	recorded chronologically in the blank space
1862	When more than six short blasts and one long blast of the ship's whistle, accompanied by the same signal on the general alarm bell is sounded, the signal is for _____.	fire and emergency	boat recall	man overboard	boat stations (abandon ship)
1863	When more than six short blasts and one long blast of the ship's whistle, accompanied by the same signal on the general alarm bell is sounded, the signal is for _____.	fire and emergency	boat recall	man overboard	boat stations (abandon ship)

ID #	Question	Choice A	Choice B	Choice C	Choice D
1864	When off loading garbage to another ship, your records must identify that ship by name and _____.	home port	operator's name of record	official number	master's name
1865	When opening a watertight door to check a compartment suspected of flooding, which of the dogs shown in the illustration should you back off FIRST?	1	2	3	4
1866	When operating gravity davits, _____.	the gripes should be released after the boat is moving	the davits should always be hand cranked the last 12 inches into the final stowed position	the boats are generally lowered by surging the falls around cruciform bits	the tricing pendant should be tripped prior to releasing the gripes
1867	When patching holes in the hull of a MODU, pillows, bedding, and other soft materials can be used as _____.	caulking	gaskets	strongbacks	wedges
1868	When personnel are lifted by a helicopter from an inflatable life raft, the personnel on the raft should _____.	deflate the floor of the raft to reduce the danger of capsizing	inflate the floor of the raft to provide for additional stability	remove their lifejackets to prepare for the transfer	take in the sea anchor to prevent fouling of the rescue sling
1869	When personnel are lifted by a helicopter from an inflatable life raft, the personnel on the raft should _____.	deflate the floor of the raft to reduce the danger of capsizing	inflate the floor of the raft to provide for additional stability	remove their lifejackets to prepare for the transfer	take in the sea anchor to prevent fouling of the rescue sling
1870	When petroleum products are handled, static electricity can be generated by _____.	splashing or agitation of the fluids	excessive pressure on the fluids	low temperature fluids only	low viscosity fluids only
1871	When pilot cylinder pressure is used to initialize the release of CO2 from a fixed fire extinguishing system containing four storage cylinders, what would be the minimum number of pilot cylinders required in this installation?	1	2	3	4
1872	When preparing to pump flammable liquids with a centrifugal pump, you should _____.	lift the relief valve by hand to check its operation	draw a small quantity of liquid to prime the pump	have a standby pump running with the discharge valve closed	check for gland leakage and any fire hazard
1873	When pumping sour crude, which gas should be tested for prior to entering the cargo pump room to repair a leaking pump?	Benzene	Carbon monoxide	Hydrogen sulfide	Tetraethyl lead
1874	When reentering an engine room that has been flooded with CO2, the investigating team should initially _____.	leave the access door partially open	enter from the lowest possible level	enter from the highest level with breathing apparatus	attempt to operate propulsion machinery
1875	When removing the cap from a sounding tube on a MODU, the sound of air escaping indicates _____.	the tank is full	the tank may be partially flooded	the tank level has dropped	the tank is completely flooded

ID #	Question	Choice A	Choice B	Choice C	Choice D
1876	When required to work in an area where explosive gases may accumulate, you should use hand tools which are _____.	approved by the Coast Guard	high carbon steel	fixed with a ferrous cover	nonferrous
1877	When required to work in an area where explosive gases may accumulate, you should use tools which are _____.	approved by the Coast Guard	high carbon steel	fireproof	non-ferrous
1878	When retrieving the survival craft, the helmsman should instruct the crewman to _____.	check the fuel level	open the doors	take the lifejackets off	check that hooks are fully locked in place
1879	When retrieving the survival craft, the winch operator should stop the winch and check _____.	that all personnel are seated in the craft	that the cable has not jumped any grooves on the drum	which way the wind is blowing	the hydraulic fluid level before lifting
1880	When retrieving the survival craft, the winch operator should stop the winch and check _____.	that all personnel are seated in the craft	that the cable has not jumped any grooves on the drum	which way the wind is blowing	the hydraulic fluid level before lifting
1881	When scheduled service is required on an inflatable life raft, who should perform the tests and inspections?	The chief mate	An approved servicing facility	Shipyards personnel	A certified lifeboatman
1882	When securing the operation of an inert gas system, the final step should be _____.	close the deck isolating valve	close the flue gas isolating valve	secure the inert gas blower	secure the salt water supply to the scrubber
1883	When shoring a damaged bulkhead on a MODU, any effort should be taken to spread the pressure over the _____.	maximum possible area	minimum possible area	nearest watertight door	nearest longitudinal girder
1884	When should distress flares and rockets be used?	Only when there is a chance of them being sighted by rescue vessels.	They should be set off at half-hour intervals.	They should be set off at one-hour intervals.	Immediately upon abandoning the vessel.
1885	When should distress flares and rockets be used?	Only when there is a chance of them being seen by rescue vessels.	They should be set off at half-hour intervals.	They should be set off at one hour intervals.	Immediately upon abandoning the vessel.
1886	When should food and water be provided to survivors after boarding a lifeboat or life raft?	After 12 hours	After 24 hours	After 48 hours	Some food and water immediately and then not until 48 hours later
1887	When should food or water be provided to survivors after boarding a lifeboat or life raft?	After 12 hours	After 24 hours	After 48 hours	Some food and water should be consumed immediately and then not until 48 hours later

ID #	Question	Choice A	Choice B	Choice C	Choice D
1888	When should the emergency position-indicating radio beacon be activated after abandoning a MODU?	Immediately	After on hour	Only when another vessel is in sight	Only after sunset
1889	When should the emergency position-indicating radio beacon (EPIRB) be activated after abandoning an OSV?	Immediately	After one hour	Only when another vessel is in sight	Only after sunset
1890	When should you expect to find an insulating flange in a fueling hose?	When transferring LNG.	When a bonding cable is employed.	When static electricity is not expected to be a problem.	When the terminal is equipped with a cathodic protection system.
1891	When taking on fuel it is important to remember that petroleum vapors are _____.	not volatile unless the ambient air temperature exceeds 90°F	lighter than air and dissipate rapidly	unlikely to ignite except in the presence of an open flame	heavier than air and may enter the bilges and/or deckhouse
1892	When taking samples of a tank atmosphere with an explosimeter, you should _____.	only sample around the deck longitudinals as gases are lighter than air	sample only near the ullage openings as all vapors accumulate there	avoid sampling in the vicinity of deep webs to prevent false readings	sample as much of the tank as possible, especially at the bottom
1893	When taking soundings on a floating MODU, the tape should be lowered and brought back quickly to _____.	reduce the time the sounding tube is open	avoid creating a spark	lessen the effect of roll or pitch on the reading	lessen the effect of heave on the reading
1894	When taking tank soundings on a MODU, coating the tape with chalk helps to _____.	better identify the correct reading	show the depth of any water in an oil tank	make the tape roll easier	reduce possibility of sparks
1895	When taking tank soundings, coating the tape with chalk helps to _____.	better indicate the correct reading	show the depth of any water in an oil tank	make the tape roll easier	reduce possibility of sparks
1896	When tanks have been washed with crude oil, and ballasted without being water rinsed, the ballast is referred to as _____.	clean ballast	dirty ballast	segregated ballast	dedicated ballast
1897	When testing the atmosphere of a compartment with a combustible gas indicator, the operator must remember that _____.	most petroleum vapors are lighter than air and accumulate around deck longitudinals	the indicator guarantees a safe atmosphere for a maximum of two hours	the meter scale indicates only the upper explosive range	the indicator tests only the atmosphere at the end of the suction tube
1898	When the alarm bell on a self-contained breathing apparatus sounds, how much air supply remains?	A 4-5 minute supply of air.	A 2-3 minute supply of air.	A 1 minute supply of air.	Less than 1 minute supply of air.
1899	When the cotton cover of a fire hose becomes oily or greasy, it should be washed with a solution of mild soapy freshwater and _____.	a soft-bristled brush	a wire brush	paint thinner	cornstarch

ID #	Question	Choice A	Choice B	Choice C	Choice D
1900	When the engine room fixed CO2 system is activated, which of the following actions should be taken FIRST if the automatic fuel oil and ventilation shutoffs have failed to operate?	Manually operate the remote shutdown controls.	Activate an additional CO2 bottle to increase pressure on the pressure switch plunger.	Send someone down to manually secure the fuel oil pumps and ventilation fans.	Discharge extra carbon dioxide into the engine room.
1901	When the floating MODU inclines to an angle slightly less than the angle of loll, it will _____.	capsize	incline less	flop to the other side	return to the angle of loll
1902	When the force of the wind causes a floating MODU to heel to a static angle, the _____.	centers of buoyancy and gravity are in the same	righting moment equals the wind heeling moment	down flooding point is below water	deck edge immersion occurs
1903	When the general alarm is sounded continuously, the engine room personnel should _____.	proceed to their man overboard stations	start the fire pump	put on lifejackets and go to their abandon ship stations	secure the propulsion diesel engines and evacuate the engine room
1904	When the handle "A" is in the mid-position of the combination nozzle shown in the illustration, which of the following statements will be correct?	Low velocity fog will be emitted from the part labeled "D".	High velocity fog will be emitted from the part labeled "D".	A solid stream will be emitted from the part labeled "B".	No water will be emitted from the nozzle.
1905	When the handle is in position "B", and piece "D" is in place, the device shown in the illustration will produce _____.	no flow	a solid stream	low velocity fog	high velocity fog
1906	When the handle is in position "C", the device shown in the illustration will produce _____.	no water flow	a solid stream	low velocity fog	high velocity fog
1907	When the height of metacenter is greater than the height of the center of gravity, a vessel has what type of stability?	Positive.	Neutral.	Unstable.	Negative.
1908	When the height of the metacenter has the same value as the height of the center of gravity, the metacentric height is equal to _____.	height of the metacenter	height of the center of gravity	same as half the height of the metacenter	zero
1909	When the height of the metacenter is less than the height of the center of gravity, a vessel has what type of stability?	Stable	Neutral	Negative	Positive
1910	When the height of the metacenter is less than the height of the center of gravity, a vessel has what type of stability?	Stable	Neutral	Unstable	Positive
1911	When the height of the metacenter is the same as the height of the center of gravity, the upright equilibrium position is _____.	stable	neutral	positive	negative
1912	When the inert gas system is temporarily unable to maintain a positive pressure, or an oxygen content less than 8%, cargo operations should _____.	continue at a slower rate until these requirements are met	continue only under "Emergency Procedures"	be shut down immediately	monitored more frequently

ID #	Question	Choice A	Choice B	Choice C	Choice D
1913	When the machinery spaces on a tank vessel are protected by a fixed foam extinguishing system, what additional protection is required by Coast Guard Regulations (46 CFR) outside of the machinery space entrance?	At least one portable foam extinguisher	At least ten cubic feet of sand or with scoop	At least one semi-portable CO2 extinguisher	At least two fire hydrants each equipped with hose, nozzle and applicator
1914	When the scuppers are plugged and an oil spill occurs on deck, you should _____.	use absorbent material, such as sawdust, to clean up the spill	remove the plugs from the scuppers to allow the spill to run overboard and wipe the area dry with rags	remove scuppers and wash the fuel overboard with a solvent	sound the general alarm
1915	When the scuppers are plugged and an oil spill occurs on deck, you should _____.	remove plugs from scuppers and wash fuel overboard with water	use absorbent material, such as sawdust, to clean up the spill	remove plugs from scuppers to allow the spill to run overboard and wipe the area dry with rags	remove plugs from scuppers and wash the fuel overboard with a solvent
1916	When the survival craft is supplied with bottles of compressed air, they are used for _____.	personnel air supply	additional flotation	priming the sprinkler system	filling the self-righting bags
1917	When the wave period and the apparent rolling period of the MODU are the same, _____.	synchronous rolling occurs	the roll period decreases	the roll period increases	the roll amplitude is dampened
1918	When transferring survivors from a survival craft to a rescue vessel, personnel onboard the craft should _____.	remove their lifejackets to make it easier to climb onboard the rescue vessel	climb on top of the survival craft while waiting for their turn to transfer to the rescue vessel	remain seated inside the survival craft and make the transfer one person at a time	enter the water and swim over to the rescue vessel
1919	When transferring survivors from a survival craft to a rescue vessel, personnel onboard the craft should _____.	remove their lifejackets to make it easier to climb onboard the rescue vessel	climb on top of the survival craft while waiting for their turn to transfer to the rescue vessel	remain seated inside the survival craft and make the transfer one person at a time	enter the water and swim over to the rescue vessel
1920	When treating a chemical burn, you should flood the burned area for at least _____.	five minutes	ten minutes	fifteen minutes	twenty minutes
1921	When treating a person for shock, you should wrap the victim in warm coverings to _____.	decrease body heat	preserve present body heat	avoid self-inflicted wounds caused by spastic movement	protect the person from injury during transportation
1922	When treating a person for third degree burns, you should _____.	submerge the burn area in cold water	make the person stand up and walk to increase circulation	cover the burns with thick sterile dressing	break blisters and remove dead tissue
1923	When using a dry chemical fire extinguisher to fight a fuel oil fire, you should _____.	attack the fire from the leeward side	direct the chemical discharge into the center of the burning fuel surface	sweep the chemical discharge back and forth across the burning fuel surface	invert the dry chemical extinguisher to fight the fire

ID #	Question	Choice A	Choice B	Choice C	Choice D
1924	When using a dry chemical type fire extinguisher in a windy location, you should direct the stream from _____.	downwind	upwind	across the wind	directly above
1925	When using a handheld smoke signal aboard a survival craft, you should activate the signal _____.	on the downwind side of the craft	on the upwind side of the craft	inside the craft	at the stern of the craft
1926	When using a handheld smoke signal aboard a survival craft, you should activate the signal _____.	on the upwind side of the craft	inside the craft	at the stern of the craft	on the downwind side of the craft
1927	When using a handheld smoke signal aboard a survival craft, you should activate the signal _____.	on the upwind side of the craft	inside the craft	at the stern of the craft	on the downwind side of the craft
1928	When using a handheld smoke signal in a life raft, you should _____.	activate the signal on the downwind side	activate the signal on the upwind side	activate the signal inside the boat	activate the signal at the stern
1929	When using a handheld smoke signal in a life raft, you should _____.	activate the signal on the downwind side	activate the signal on the upwind side	activate the signal inside the boat	activate the signal at the stern
1930	When using a handheld smoke signal in a lifeboat, you should hold and _____.	activate the signal on the downwind side	activate the signal on the upwind side	activate the signal inside the boat	activate the signal under water
1931	When using foam, a 'Class B' fire is extinguished by _____.	cooling the surface	replacing the fuel	smothering the fire	all of the above
1932	When using mechanical foam to fight a bilge fire, the stream of foam is most effective when directed _____.	at the overhead	at a vertical surface	onto the deck	directly into the bilge water
1933	When using portable tank cleaning machines, the hoses may be disconnected when _____.	the machine is inside the tank	the machine is not inside the tank	a sailor is standing by the machine	the hose has been partially drained
1934	When using the combustible gas indicator to test a cargo tank, and the hydrocarbon content of the atmosphere exceeds the upper explosive limit (UEL), _____.	the needle will move to zero and stay there	the needle will move to the maximum reading and stay there	the needle will move to the maximum reading and return to zero immediately	an audible beeping will be heard
1935	When using the hand crank to retrieve and stow a lifeboat on gravity davits, which of the listed precaution should always be observed?	Make certain the hand brake is disengaged.	Put the emergency disconnect switch in the 'off' position.	Make certain the crank is in the locked position.	Disconnect the limit switch.
1936	When using the rainwater collection tubes on a life raft, the FIRST collection should be _____.	passed around so all can drink	poured overboard because of salt washed off the canopy	saved to be used at a later time	used to boil food
1937	When using the rainwater collection tubes on a life raft, the FIRST collection should be _____.	passed around so all can drink	poured overboard because of salt washed off the canopy	saved to be used at a later time	used to boil food

ID #	Question	Choice A	Choice B	Choice C	Choice D
1938	When water fog is used as an extinguishing agent, the fire is extinguished principally by the _____.	isolation of the fuel	absorption of heat	displacement of gases of combustion	extinguishment of incipient smoldering
1939	When welding or burning aboard a vessel, precautions should always include that _____.	the space is properly ventilated	the surrounding area has no exposed flammable material	no welding be allowed on the outside of fuel tank walls	all of the above
1940	When welding or burning aboard a vessel, you must be certain that the space _____.	is properly vented	contains no explosive fumes	has no oil or flammable material in the area	all of the above
1941	When whistle signals are used as commands for launching the lifeboats, one short blast means _____.	use the float-free method only	lower all boats	raise all boats	drill is over, secure all boats
1942	When working around deck machinery it is a good safety practice to avoid standing in a 'bight' of a rope because _____.	it doesn't allow for proper faking of the line	the coil may become tangled and difficult to manage	a sudden yank on the line may trap your leg	your work shoes may cause damage to the rope
1943	When you are firing a pyrotechnic distress signal, it should be aimed _____.	straight overhead	at the vessel whose attention you want to attract	into the wind	at about 60 degrees above the horizon
1944	When you are firing a pyrotechnic distress signal, it should be aimed _____.	straight overhead	at the vessel whose attention you want to attract	into the wind	at about 60 degrees above the horizon
1945	When you are wearing a self-contained breathing apparatus, you should immediately return to fresh air if you feel _____.	heat in the canister or hose	excess air flow in the mask	two pulls on the safety line	nauseous, dizziness or high breathing resistance
1946	When you have completed bunkering operations, the hoses should be _____.	blown down with inert gas	drained into drip pans or tanks	stowed with their ends open for venting	steam cleaned and flushed with hot water
1947	When you hear three short blasts on the ship's whistle and the same signal on the general alarm bells, you _____.	are required to go to your life raft	are dismissed from drills	should point to the man overboard	should start the fire pump
1948	When you hear three short blasts on the ship's whistle and the same signal on the general alarm bells, you _____.	are required to be at your life raft	are dismissed from drills	should point to the man overboard	should start the fire pump
1949	When you hear three short blasts on the ship's whistle and the same signal on the general alarm bells, you _____.	are required to go to your life raft	are dismissed from drills	should point to the man overboard	should start the fire pump
1950	When you notice oil on the water near your vessel while taking on fuel, you should FIRST _____.	stop loading	notify the senior deck officer	notify the terminal superintendent	determine whether your vessel is the source
1951	Where are "prohibited oil spaces" specified in the Pollution Prevention Regulations (33 CFR)?	Part 151	Part 154	Part 155	Part 156
1952	Where are remote readouts for oxygen concentration, pressure, and temperature of an inert gas system required to be located?	Bridge and engine control consoles	Bridge and tank(s) being inerted	Main deck and engine control consoles	Cargo control and engine control consoles

ID #	Question	Choice A	Choice B	Choice C	Choice D
1953	Where are self-closing doors required on a MODU?	In the galley	In each stair tower	To each sleeping room	To the engine room
1954	Where foam extinguishing systems are provided on a MODU, each machinery flat in the protected space must have a/an _____.	coaming	alarm	drain	fire sensor
1955	Where grades A, B, C, and D liquid cargoes are involved, power-driven or manually-operated spark producing devices shall not be used in the cargo pump room unless _____.	the compartment itself is gas free	the vessel is gas free	all cargo tanks are empty	all cargo tanks have been inerted
1956	Where in the Code of Federal Regulations will you find information about the compatibility of cargoes?	Title 46 Subchapter D	Title 46 Subchapter N	Title 46 Subchapter O	Title 33 Subchapter O
1957	Where multiple fire pumps are installed, they may be used for other purposes, provided that one pump is _____.	on line and in operation at all times to the fire main	kept available for use on the fire main at all times	capable of being quickly connected to the fire main with a suitable pipe spool	rated at or above 125 psi
1958	Where should muster lists be posted?	In crew's accommodation spaces	On the navigating bridge	In the engine room	All of the above
1959	Where there are multiple accident victims, which injuries should be the FIRST to receive emergency treatment?	Major multiple fractures	Eye injuries	Back injuries with spinal cord damage	Airway and breathing difficulties
1960	Where there are multiple accident victims, which type of injury should be the first to receive emergency treatment?	Severe shock	Eye injuries	Burns	Major multiple fractures
1961	Where will you find the procedures for the reporting of oil discharge into the water?	The vessel's Certificate of Inspection	The vessel's Oil Record Book	The vessel's Oil Transfer Procedures	The vessel's International Oil Pollution Prevention Certificate
1962	Where would you expect to find a "charged mist" on a tanker?	In a common vent header during tank ballasting.	In a cargo tank during "Butterworthing".	In a cargo tank during inerting operations.	In the overflow line while topping off.
1963	Where would you find a list of the lifesaving equipment onboard your supply boat?	Ship's articles	Muster List ("Station Bill")	Certificate of Inspection	U. S. Coast Guard Regulations
1964	Where would you find a list of the lifesaving equipment onboard your supply boat?	Ship's articles	Muster List ("Station Bill")	Certificate of Inspection	U. S. Coast Guard Regulations
1965	Where would you find the FCC authorization for transmitting on your rig's EPIRB?	On the Ship Station License.	On the side of the EPIRB transmitter.	In the radio log.	On the Certificate of Inspection.
1966	Where would you look to find out what your duties are during a fire?	Ship's articles	Muster List ("Station Bill")	Certificate of Inspection	U.S. Coast Guard Regulations
1967	Where would you look to find out what your duties are during a fire?	Coast Guard Regulations	Certificate of Inspection	Muster list	Ship's articles

ID #	Question	Choice A	Choice B	Choice C	Choice D
1968	Where would you look to find the number of hand portable fire extinguishers required on an uninspected towing or fishing industry vessel?	Modern Marine Engineer's Manual	Subchapter C, Rules and Regulations for Uninspected Vessels	The Damage Control Book	Fire fighter's Handbook
1969	Which abbreviation represents the height of the center of buoyancy?	BK	KB	CB	BM
1970	Which CFR regulation identifies the placard to be posted on the vessel describing the proper disposal of garbage?	33 CFR Part 159.51	33 CFR Part 157.37	33 CFR Part 157.100	33 CFR Part 151.59
1971	Which dangerous condition should be kept in mind after using a 15 pound CO2 fire extinguisher on a small oil fire on the engine room floor plates?	Possible suffocation from the CO2 gas.	Forgetting to secure the engine room ventilation system.	CO2 gas being drawn into nearby engine or air compressor intakes.	Rekindling of the fire.
1972	Which extinguishing agent is most likely to allow reflash as a result of not cooling the fuel below its ignition temperature?	Foam	CO2	Water stream	Water fog
1973	Which extinguishing agent is the best for use on electrical fires?	Foam	CO2	Dry Chemical	Water fog
1974	Which fire boundary should be set FIRST, after the discovery of a fully evolved fire in a ship's laundry room which is too hot for a direct entry?	An adjacent store room containing spare engine parts.	A store room directly above the laundry room containing combustibles.	An adjacent store room containing spare bed mattresses.	An adjacent store room containing laundry detergent.
1975	Which fire extinguisher is most prone to freezing when stowed in low temperatures?	Halon 1211	Carbon dioxide	Foam	Dry chemical
1976	Which health hazard term is listed on a Material Safety Data Sheet (MSDS) to indicate that contact with the substance will freeze body tissue on contact?	Freeze hazard	Cyanosis	Freon hazard	Cryogenic
1977	Which is the best way to ensure adequate oxygen is present for safe entry into a seldom used cargo tank?	Test tank atmosphere with a combustible gas indicator.	Observe the amount of rust deposited on the tank's surface.	Ventilate the tank with fresh air and test with an oxygen indicator.	Open the manhole cover for approximately ten minutes.
1978	Which is TRUE concerning immersion suits and their use?	Only a light layer of clothing may be worn underneath.	They provide sufficient floatation to do away with the necessity of wearing a life jacket.	They should be tight fitting.	A puncture in suit will not appreciably reduce its value.
1979	Which of the actions listed and instituted on your part will have the greatest lasting effect on the crew with respect to safety?	Displaying posters illustrating safety practices	Showing video tapes of actual accidents	Incorporating safety practices in daily routine	Publishing comprehensive safety rules
1980	Which of the actions listed should be taken by the engineer on watch when the general alarm is sounded continuously for 10 seconds?	Engine room ventilation should be started.	Main engines should be secured.	The fire pump should be started.	The fixed CO2 system should be activated.

ID #	Question	Choice A	Choice B	Choice C	Choice D
1981	Which of the actions listed should be taken FIRST to control an oil fire in a fuel oil tank?	Commence draining that tank as quickly as possible.	Seal off all vents to that tank.	Activate the CO2 system to that tank.	Shut off the steam heating coils.
1982	Which of the circumstances listed is an exception to the garbage discharge requirements in Annex V to MARPOL 73/78?	The garbage to be discharged will sink.	Garbage accumulation onboard has exceeded storage space.	A person falls overboard, and a plastic ice chest is thrown for flotation.	The destination port or terminal cannot receive garbage.
1983	Which of the components listed are interchangeable between different backpack self-contained breathing apparatus produced by various manufacturers?	The face piece	The regulator	The air cylinder	All of the above
1984	Which of the conditions listed is necessary for a substance to burn?	The temperature of the substance must be equal to or above its fire point.	The air must contain oxygen in sufficient quantity.	The mixture of vapors with air must be between the LEL and the UEL.	All of the above.
1985	Which of the conditions listed make it difficult to indefinitely maintain fire hoses?	Gasoline and oils act to dissolve the rubber or cement which holds the inner jacket and lining together.	Heat causes the rubber lining to harden and crack.	Moisture will cause mildew to form on the jacket which destroys the cotton fiber.	All of the above.
1986	Which of the devices listed below is designed to prevent flames from entering through fuel tank vents?	Safety cap	Flame screen	Spark arrester	Flame inhibitor
1987	Which of the devices listed is designed to prevent flames from entering a fuel tank through tank vents?	Ball check	Flame screen	Spark arrester	Flame inhibitor
1988	Which of the devices listed must be used in conjunction with the portable in-line foam proportioner to produce foam?	A plain or common fire hose nozzle	The mechanical foam nozzle	Any low velocity applicator	An all-purpose nozzle
1989	Which of the devices listed will prevent an inflated life raft from being pulled under by a vessel which sinks in water over 100 feet deep?	The hydrostatic release	A shear pin	A Rottmer release	A weak link in the painter
1990	Which of the devices listed will prevent an inflated life raft from being pulled under by a vessel which sinks in water over 100 feet deep?	The hydrostatic release	A sheer pin	A rottmer release	A weak link in the painter
1991	Which of the devices listed would be safe to use in a compartment with insufficient oxygen?	Wet handkerchief	Self-contained breathing apparatus.	Canister type mask.	Dust or gas mask.
1992	Which of the documents listed will describe lifesaving equipment located aboard your vessel?	Muster List ("Station Bill")	Certificate of Inspection	Forecastle card	Clearance papers

ID #	Question	Choice A	Choice B	Choice C	Choice D
1993	Which of the documents listed will describe lifesaving equipment located aboard your vessel?	Muster List ("Station Bill")	Certificate of Inspection	Forecastle card	Clearance papers
1994	Which of the fire extinguishers listed is to be weighed annually and sent ashore for recharging if the weight loss exceeds 10% of the weight of a full charge?	Foam	Soda acid	Dry chemical	Carbon dioxide
1995	Which of the fire extinguishing agents listed can be used to effectively combat a class B fire?	Dry chemical	CO2	Foam	All of the above
1996	Which of the fire extinguishing agents listed is the most effectively used for putting out a paint locker fire?	Solid stream of water	Soda acid extinguisher	Carbon dioxide	Dry powder
1997	Which of the fire extinguishing agents listed is the safest to use when combating a class C fire?	CO2	Foam	Water fog	Soda acid
1998	Which of the fire extinguishing agents listed uses a chain breaking action to put out a fire?	Halon 1211	Halon 1301	Purple K	All of the above
1999	Which of the firefighting agents listed is the least hazardous to personnel?	CO2	Steam	Water	Carbon tetrachloride
2000	Which of the firefighting foams listed would require the mechanical mixing of air and foam concentrate?	Protein foam	Synthetic and alcohol foams	Aqueous film forming foam (AFFF)	All of the above
2001	Which of the following actions should be taken by the engine room watch when the general alarm is sounded continuously?	The fire pump should be started.	The boiler fires should be secured.	The fixed CO2 system should be initiated into action.	The engine room ventilation should be secured.
2002	Which of the following best defines First Aid?	Medical treatment of internal injuries	Setting of broken bones and transport of victim	Emergency treatment of the injury at the scene.	Dosage of medications and application of bandages
2003	Which of the following can result in an oxygen deficiency in a closed space?	Rusting	Cargo residue	Fuel oil residue	All of the above
2004	Which of the following classes of fire would probably occur in the engine room bilges?	Class A	Class B	Class C	Class D
2005	Which of the following components provides a direct source of seawater for the fire main system?	Rosebox suction	Sea chest suction	Cofferdam sluice valve	Fire pump stuffing box
2006	Which of the following conditions are true concerning shipboard fire extinguishing systems?	Carbon dioxide and Halon are both effective fixed systems that protect against 'class C' fires.	Flammable gas fires are not extinguished by fixed systems; controlled burning is recommended until the fuel source can be shut off.	Conventional fixed fire extinguishing systems may not be effective for use against 'class D' fires involving combustible metals.	All of the above.
2007	Which of the following conditions can contribute to accidents?	Good housekeeping	Inspections	Unsafe conditions	Intelligent work habits

ID #	Question	Choice A	Choice B	Choice C	Choice D
2008	Which of the following conditions is a symptom of a person in shock?	Warm and dry	Warm and damp	Cold and dry	Cold and damp
2009	Which of the following conditions is a symptom of heat stroke _____.	cold and moist skin, high body temperature	cold and dry skin, low body temperature	hot and moist skin, high body temperature	hot and dry skin, high body temperature
2010	Which of the following conditions is a symptom of heat stroke _____.	cold and moist skin, high body temperature	cold and dry skin, low body temperature	hot and moist skin, high body temperature	hot and dry skin, high body temperature
2011	Which of the following conditions is an important consideration to remember when using a combustible gas indicator?	They detect vapor at the sample point only.	They do not work properly in oxygen deficient atmospheres.	Any movement of the needle indicates an unsafe condition specifically related to the toxicity of petroleum vapors present.	All of the above.
2012	Which of the following conditions is NOT a symptom of traumatic shock?	Slow deep breathing	Pale and cold skin	Weak and rapid pulse	Restlessness and anxiety
2013	Which of the following conditions is true concerning flammable liquid vapors with a concentration above the upper explosive limit?	The mixture is too lean to burn.	The mixture is too rich to burn.	The vapor is about to explode.	Conditions are perfect for combustion.
2014	Which of the following conditions must be met before a marine chemist will issue a certificate for a compartment to be "safe for workers, safe for hot work"?	The residues in the compartment must not be capable of producing any toxic gas under existing atmospheric conditions.	The concentration of combustible gases in the compartment's atmosphere must be less than 10 percent of the lower flammable limit.	The toxic gases in the compartment's atmosphere must be within permissible concentrations.	All of the above.
2015	Which of the following conditions represents a particular advantage of using a positive pressure type self-contained breathing apparatus in an atmosphere that is immediately dangerous to life or health?	The positive pressure in the face piece prevents contaminated air from entering the face piece.	The average operating time for most air cylinders is over an hour.	The equipment used is lightweight and easy to wear by reducing physical strain on the wearer.	The equipment is compact and the wearer can work in confined spaces without difficulty.
2016	Which of the following conditions represents the appropriate time for setting off distress flares and rockets?	Only when there is a chance of them being seen by rescue vessels	At half-hour intervals	At one hour intervals	Immediately upon abandoning the vessel
2017	Which of the following conditions represents the appropriate time for setting off distress flares and rockets?	Only when there is a chance of them being seen by rescue vessels.	At half-hour intervals.	At one hour intervals.	Immediately upon abandoning the vessel.
2018	Which of the following conditions represents the appropriate time for setting off distress flares and rockets?	Only when there is a chance of them being seen by rescue vessels.	At half-hour intervals.	At one hour intervals.	Immediately upon abandoning the vessel.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2019	Which of the following conditions will allow for a work vest to be substituted for a lifejacket in the total count of the required lifesaving gear?	When it is approved by the Coast Guard	When working near or over the water	When stowed away from the ring buoys	A work vest may never be counted as a lifejacket
2020	Which of the following conditions will allow for a work vest to be substituted for a lifejacket in the total count of the required lifesaving gear?	When it is approved by the Coast Guard	When working near or over the water	When stowed away from the ring buoys	A work vest may never be counted as a lifejacket
2021	Which of the following conditions will result in an automatic shut down of the flue gas inert gas system?	Oxygen content of the gas falls below 5%.	Low temperature water leaving the scrubber seal.	High temperature gas entering the scrubber.	High temperature gas discharge from inert gas blowers.
2022	Which of the following correctly identifies the device shown in the illustration?	A fire main international shore connection	An international discharge connection	A U.S.C.G. approved fuel connection	A U.S.C.G. approved sewage disposal connection
2023	Which of the following emergency signals are used to report for boat stations or boat drills?	Three short blasts of the whistle along with the same signal on the general alarm bells.	More than six short blasts and one long blast of the whistle, along with the same signal on the general alarm bells.	Steady rapid ringing of the ship's bell for at least 10 seconds, along with the same signal on the general alarm bells.	Less than five short blasts and one long blast of the whistle, along with the same signal on the general alarm bells.
2024	Which of the following emergency signals are used to report for boat stations or boat drills?	Three short blasts of the whistle along with the same signal on the general alarm bells.	More than six short blasts and one long blast of the whistle, along with the same signal on the general alarm bells.	Steady rapid ringing of the ship's bell for at least 10 seconds, along with the same signal on the general alarm bells.	Less than five short blasts and one long blast of the whistle, along with the same signal on the general alarm bells.
2025	Which of the following events shall be conducted during a fire and boat drill?	Watertight doors which are in the drill area shall be operated.	All lifeboat equipment shall be examined.	All fire pumps shall be started and all exterior outlets opened.	All of the above.
2026	Which of the following fire extinguishing agents has the greatest capacity for heat absorption?	Water fog	Dry chemical	Chemical foam	Carbon dioxide
2027	Which of the following fire extinguishing agents is best suited for use on a large class "B" fire occurring on the open deck of a vessel?	CO2	Aqueous film forming foam	Dry chemical	Steam smothering system
2028	Which of the following fuels would be classified as a combustible liquid rather than a flammable liquid?	diesel oil	alcohol	gasoline	all of the above
2029	Which of the following gases represents the greatest threat to personnel safety in an engine room where the exhaust gas is leaking from a diesel engine?	Nitrogen	Carbon monoxide	Carbon trioxide	Hydrogen sulfate
2030	Which of the following hazards is associated with the handling of petroleum products?	Fire	Explosion	Asphyxiation	All of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
2031	Which of the following is a correct statement with respect to inserting an airway tube?	Only a trained person should attempt to insert an airway tube.	A size #2 airway tube is the correct size for an adult.	The airway tube will not damage the victim's throat.	Inserting the airway tube will prevent vomiting.
2032	Which of the following is a correct statement with respect to inserting an airway tube?	Only a trained person should attempt to insert an airway tube.	A size #2 airway tube is the correct size for an adult.	The airway tube will not damage the victim's throat.	Inserting the airway tube will prevent vomiting.
2033	Which of the following is a mandatory section of the shipboard oil pollution emergency plan?	reporting requirements	removal equipment list	plan exercises	list of individuals required to respond
2034	Which of the following is classified as a grade "E" combustible liquid?	Benzene	Bunker "C"	Very light naphtha	Most commercial gasoline
2035	Which of the following is considered as the correct action for the rescue of an unconscious person from a compartment containing an unsafe atmosphere?	Wear an approved self-contained breathing apparatus.	Attach a lifeline to the rescuer.	Have someone stand by outside the compartment.	All of the above.
2036	Which of the following is LEAST likely to cause the ignition of fuel vapors?	Static electricity	An open running electric motor	Loose wiring	Explosion proof lights
2037	Which of the following is NOT a function of the pressurized air supply for a fully enclosed lifeboat?	Provides combustion air for the diesel engine.	Pressurizes the water spray system.	Provides air for passenger respiration.	Prevents smoke and other noxious fumes from entering craft.
2038	Which of the following is NOT a mandatory requirement of the shipboard oil pollution emergency plan?	reporting requirements	diagrams	steps to control a discharge	national and local coordination
2039	Which of the following is NOT a recommended safe practice?	Securing equipment against slipping or drifting.	Operating machinery at its recommended speed.	Repairing loose handles on tools before using.	Using tools for purposes for which they are not designed.
2040	Which of the following is NOT a treatment for traumatic shock?	Keep the patient warm, but not hot.	Have the injured person lie down.	Massage the arms and legs to restore circulation.	Relieve the pain of the injury.
2041	Which of the following is required to be included in the fireman's (emergency) outfit?	Chemical protection face shield	Approved work vest	Self-contained breathing apparatus	5 cell approved flashlight
2042	Which of the following is the correct procedure to follow when launching an inflatable life raft by hand from an ocean going vessel?	Connect the stainless steel link (float free link) to the vessel.	Pull the line (painter) from the container and make it fast to the cleat provided.	Open the canopy relief valves.	Remove the raft from the container to permit complete inflation.
2043	Which of the following is the correct procedure to follow when launching an inflatable life raft by hand from an OSV?	Connect the stainless steel link (float free link) to the vessel.	Pull the line (painter) from the container and make it fast to the cleat provided.	Open the canopy relief valves.	Remove the raft from the container to permit complete inflation.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2044	Which of the following is used to signal crew members to report at boat stations or for boat drill?	More than six short blasts followed by one long blast of the ships whistle.	A continuous blast of the ships whistle for a period of not less than 10 seconds.	One long blast followed by three short blasts of the ships whistle.	Three short blasts of the ships whistle.
2045	Which of the following liquids can ordinarily be discharged overboard without being processed through an oily water separator?	Cargo tank ballast	Segregated ballast	Engine room bilges	Cargo pump room bilges
2046	Which of the following machinery space operations is required to be logged in the Oil Record Book?	Ballasting or cleaning of fuel oil tanks.	Shifting suction of main fuel pump to reserve fuel oil tank.	Changing out sprayer plates to adjust for steam demand.	Daily inspection of engine room bilges.
2047	Which of the following methods is a convenient and effective system of examining the body of an injury victim?	Compare the corresponding parts of the body.	Watch the patient's eyes as you probe parts of the body.	Look for discoloration of the patient's skin.	Look for uncontrolled vibration or twitching of parts of the body.
2048	Which of the following methods is used to supply inert gas from a flue gas system to the cargo tanks?	Exhaust gas pressure	High capacity fan	Inert gas compressor	Natural aspiration
2049	Which of the following methods should be used to prevent a class "A" fire in a topside compartment, with steel bulkheads, from spreading to the adjacent compartments?	Sweep the exterior bulkheads with a solid stream of water until the fire is reportedly extinguished.	Sweep the exterior bulkheads with a solid stream of water until steam is no longer produced, secure the nozzle, and repeat as necessary.	Sweep the exterior bulkheads with water fog until the fire is reportedly extinguished.	Sweep the exterior bulkheads with water fog until steam is no longer produced, secure the nozzle, and repeat as necessary.
2050	Which of the following methods should be used to prevent a class "A" fire in a topside compartment, with steel bulkheads, from spreading to the adjacent compartments?	Sweep all exterior surfaces with water fog until the fire is reportedly extinguished.	Sweep all exterior surfaces with a solid stream of water until the fire is reportedly extinguished.	Sweep all exterior surfaces with a solid stream of water until steam is no longer produced, secure the nozzle, and repeat as necessary.	Sweep all exterior surfaces with water fog until steam is no longer produced, secure the nozzle, and repeat as necessary.
2051	Which of the following methods will reduce the possibility of producing an electrical spark?	Using a cargo hose with a built in electrical bonding wire.	Connecting a bonding wire between the shore side piping and the vessel.	Placing an insulating flange or a section of nonconducting hose in the hose setup.	All of the above.
2052	Which of the following must be carried out in order to launch and inflate an inflatable life raft?	Pull on the hydrostatic release, pull on the sea painter.	Push on the hydrostatic release, pull on the sea painter.	Push on the hydrostatic release, push on the sea painter.	Pull on the hydrostatic release, push on the sea painter.
2053	Which of the following must be carried out in order to launch and inflate an inflatable life raft?	Pull on the hydrostatic release, pull on the sea painter.	Push on the hydrostatic release, pull on the sea painter.	Push on the hydrostatic release, push on the sea painter.	Pull on the hydrostatic release, push on the sea painter.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2054	Which of the following must be carried out in order to manually launch an inflatable life raft not designed for float-free operation?	It will be easily launched by simply breaking the weak link.	Depress the hydrostatic release button.	It is easily launched by cutting the container securing straps.	It is only necessary to attach the weak link to the vessel.
2055	Which of the following must be carried out in order to manually launch an inflatable life raft not designed for float-free operation?	It will be easily launched by simply breaking the weak link.	Depress the hydrostatic release button.	It is easily launched by cutting the container securing straps.	It is only necessary to attach the weak link to the vessel.
2056	Which of the following must be eliminated to prevent accidents?	Unsafe actions	Orderliness	Frequent inspections	Good work habit/practices
2057	Which of the following operations aboard a tanker must be recorded in the Oil Record Book on a tank-to-tank basis according to Coast Guard Regulations?	Any internal transfer of oil cargo during a voyage.	The discharge overboard in port or at sea of any bilge water accumulated in machinery spaces.	The loading or unloading of any or all oil cargo.	All of the above.
2058	Which of the following operations must be personally supervised by the person-in-charge when taking on fuel?	Posting of the Declaration of Inspection in a conspicuous place under glass.	Topping off any tanks being loaded.	Overboard disposal of all waste oil or slops from drip pans.	Sampling performed periodically during loading to ensure uniformity.
2059	Which of the following operations should be carried out when launching an inflatable life raft by hand?	Open the life raft casing	Turn the valve on the CO2 cylinder to start inflation	Make sure the operating cord is secured to the vessel before throwing it over the side	After inflation, detach operating cord from life raft
2060	Which of the following persons may command a lifeboat in ocean service?	Licensed deck officer	Able seaman	Certified lifeboatmen	All of the above
2061	Which of the following precautions are necessary when using any electrical equipment in a hazardous location, such as a cargo pump room?	The pump room is to be gas free.	The adjacent compartments are to be gas free.	Each compartment where flammable gas is expected to accumulate is to be closed and secured.	All of the above.
2062	Which of the following precautions should be taken when treating burns caused by contact with dry lime?	Water should be applied in a fine spray.	The burned area should be immersed in water.	The entire burn area should be covered with ointment.	Before washing with water, the lime should be brushed away gently and removed from skin contact.
2063	Which of the following pressures represents the normal pressure setting of a pressure-vacuum relief valve as normally found on tank vessels?	22.7 psia - 14.7 psia	20.7 psia - 14.6 psia	18.7 psia - 14.4 psia	16.7 psia - 14.2 psia

ID #	Question	Choice A	Choice B	Choice C	Choice D
2064	Which of the following procedures can be used for checking for spinal cord damage to an unconscious patient?	Beginning at the back of the neck, and proceeding to the buttocks, press the spine to find where it hurts.	Prick the skin of the hands and the soles of the feet with a sharp object to check for reaction.	Selectively raise each arm and each leg and watch patient's face to see if he registers pain.	Roll patient onto his stomach and prick along the length of his spine to check reaction.
2065	Which of the following procedures is always recommended in the rescue of an unconscious person from a compartment containing an unsafe atmosphere?	Have the rescuers wear an approved self-contained breathing apparatus.	Have the rescuers carry in a stokes basket for the victim.	Have the rescuer carry an emergency first aid kit for the victim.	Have the rescuers carry a combustible gas analyzer.
2066	Which of the following procedures is the generally accepted method of determining whether the atmosphere within a cargo tank is flammable?	Use the open flame test on a small sample that has been taken from the tank.	Send a gas sample ashore for laboratory analysis.	Enter the tank with a teledyne oxygen analyzer.	Use an explosimeter.
2067	Which of the following procedures is the generally accepted method of determining whether the atmosphere within a cargo tank is over rich, explosive, or too lean to support combustion?	Use the open flame test on a small sample that has been taken from the tank.	Send a gas sample ashore for laboratory analysis.	Enter the tank with a teledyne oxygen analyzer.	Use an explosimeter or combustible gas indicator.
2068	Which of the following procedures reduces the possibility of an interior ventilation duct fire from rapidly spreading?	Having a portable CO2 ready at each duct opening.	Keeping the duct interior clean.	Having a fire hose charged at each duct opening.	Keeping the duct exterior clean.
2069	Which of the following procedures should be used to examine a cartridge-operated dry chemical fire extinguisher?	Make certain that the pressure cartridge has not been punctured.	Check to see that hose and nozzle are clear.	Ensure that dry chemical is not become caked.	All of the above.
2070	Which of the following represents an emergency procedure used to stop the oil flow aboard tank vessels, of 250 tons or greater, as required by Pollution Prevention Regulations (33 CFR)?	Quick-acting power actuated valve	Self-closing emergency disconnect fitting	Pressure-sensitive oil pressure controller	Manually-operated quick-closing valve
2071	Which of the following represents the emergency signal for fire aboard ship?	More than six short blasts and one long blast on the whistle.	Continuous blast of the ship's whistle for a period of not less than 10 seconds supplemented by the same signal on the general alarm.	Three short blasts of the whistle supplemented by the same signal on the general alarm.	More than six short blasts and one long blast on the whistle supplemented by the same signal on the general alarm.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2072	Which of the following represents the emergency signal for fire aboard ship?	More than six short blasts and one long blast on the whistle.	Continuous blast of the ship's whistle for a period of not less than 10 seconds supplemented by the same signal on the general alarm.	Three short blasts of the whistle supplemented by the same signal on the general alarm.	More than six short blasts and one long blast on the whistle supplemented by the same signal on the general alarm.
2073	Which of the following represents the maximum percent of oxygen, by volume, permitted to be discharged by a ship's inert gas system when operating properly?	less than 6%	less than 8%	less than 10%	less than 12%
2074	Which of the following represents the maximum percent of oxygen, by volume, required to be achieved by a ship's inert gas system, prior to the commencement of crude oil tank washing?	6%	8%	10%	12%
2075	Which of the following represents the maximum percent of oxygen, by volume, required to be achieved by a ship's inert gas system, prior to the commencement of crude oil tank washing?	6%	8%	10%	12%
2076	Which of the following should NOT be done for a person who has fainted?	Get the person in the open air.	Loosen the clothing.	Lay the person with the head higher than the feet.	Splash cold water in the face.
2077	Which of the following should NOT be done for a person who has fainted?	Provide fresh air	Loosen clothing	Elevate head	Stimulate face with cold water
2078	Which of the following should not be used as a treatment for a person who has received a head injury and is groggy or unconscious?	Give a stimulant	Elevate his head	Stop severe bleeding	Treat for shock
2079	Which of the following signals is used to report for boat station drills _____.	more than six short blasts followed by one long blast of the whistle	a continuous blast of the whistle for a period of not less than 10 seconds	one long blast followed by three short blasts of the whistle	three short blasts of the whistle
2080	Which of the following signals represents the emergency signal for a fire aboard a U.S. flag merchant vessel?	Rapid short blasts of the ship's whistle for a period of not less than 5 seconds, supplemented by the same signal on the general alarm bell.	Rapid short blasts of the ships whistle for a period of not less than 10 seconds, supplemented by a continuous ringing of the general alarm bell.	A long continuous blast of the ships whistle for a period of not less than 10 seconds, supplemented by the continuous ringing of the general alarm bell for not less than 10 seconds.	A long continuous blast of the ships whistle for a period of not less than 5 seconds, supplemented by the same signal on the general alarm bell.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2081	Which of the following statement is true concerning the meter shown in the illustration?	Meter readings are obtained instantaneously upon release of the squeeze bulb.	If the meter needle moves to the extreme right side of the scale and remains there, the atmosphere is safe.	If there is any liquid in the tank being tested, the sampling tube should be submerged in it to obtain the most accurate reading.	As gas samples are drawn into the instrument they are burned within the case.
2082	Which of the following statements concerning Aqueous Film Forming Foam (AFFF) is correct?	AFFF can be used effectively on live electrical equipment.	AFFF can be used to extinguish combustible metal fires.	AFFF may be used in a joint attack with dry chemical.	AFFF is an effective chain breaking agent similar to Halon.
2083	Which of the following statements concerning fire hose couplings is true?	Male fire hose couplings are strong and not easily damaged.	Fire hose couplings must be lubricated with oil.	Male fire hose couplings can be easily damaged by dropping.	Fire hose couplings should be painted red.
2084	Which of the following statements concerning immersion suits is correct?	All models will automatically turn an unconscious person face-up in the water.	The immersion suit seals in all body heat and provides protection against hypothermia for weeks.	The suit is flameproof and provides protection to the wearer while swimming through burning oil.	The wearer of the suit is not severely restricted in body movement and permits the wearer to perform any form of strenuous work.
2085	Which of the following statements concerning immersion suits is correct?	Not all models will automatically turn an unconscious person face-up in the water.	The immersion suit reduces the rate of body cooling and greatly increases the survival time in cold water.	The suit is flameproof and provides protection to a wearer swimming in burning oil.	The suit provides a full range of body movement and is suitable for routine wear on deck.
2086	Which of the following statements concerning immersion suits is correct?	Immersion suits should be worn while performing routine work on deck.	After purchasing, the suit should be stowed in the storage bag in which it was received.	During the annual maintenance, the front zipper should be lubricated using light machine oil or mineral oil.	Any tear or leak will render the suit unserviceable and it must be replaced.
2087	Which of the following statements concerning immersion suits is correct?	Not all models will automatically turn an unconscious person face-up in the water.	The immersion suit seals in all body heat and provides protection against hypothermia for weeks.	The suit will still be serviceable after a brief (2 seconds) exposure to flame and burning.	The wearer of the suit is no way restricted in body movement and the suit may be donned well in advance of abandoning ship.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2088	Which of the following statements concerning immersion suits is correct?	Immersion suits should be worn during routine work on deck to provide maximum protection.	After purchasing, the suit should be removed from its storage bag and hung on a hanger where it will be readily accessible.	During the annual maintenance, the front zipper should be lubricated according to manufacturers recommendations.	Small leaks or tears may be repaired using the repair kit packed with the suit.
2089	Which of the following statements concerning immersion suits is correct?	Immersion suits should be worn during routine work on deck to provide maximum protection.	After purchasing, the suit should be removed from its storage bag and hung on a hanger where it will be readily accessible.	During the annual maintenance, the front zipper should be lubricated only with manufacturers recommended lubricant	Small leaks or tears may be repaired using the repair kit packed with the suit.
2090	Which of the following statements concerning immersion suits is correct?	Suits are not required to automatically turn an unconscious person face-up in the water.	The immersion suit seals in all body heat and provides protection against hypothermia for weeks.	The suit is flameproof and provides protection to the wearer while swimming through burning oil.	The suits provide for limited body movement such as walking, climbing a ladder, and picking up small objects like a pencil.
2091	Which of the following statements concerning oil transfer, related equipment, tests and inspections is true?	Each pressure gauge in the system must indicate a reading that is within 5% of the actual system pressure.	Each nonmetallic oil transfer hose, larger than a 3" inside diameter must be inspected, and tested annually.	A 6" inside diameter nonmetallic oil transfer hose having a small slash penetrating the hose reinforcement may remain in service if there is no visible internal deterioration.	All of the above.
2092	Which of the following statements defines the purpose of the lifeboat gravity davit limit switch?	To cut off power when the davits hit the track safety stops.	To stop the davits from going too fast.	To cut off power when the davits are about 12 inches from the track safety stops when hoisting.	None of the above.
2093	Which of the following statements describes how the main bank of CO2 bottles is released into an engine room from most fixed CO2 fire extinguishing systems?	Manually releasing the bottles in groups of four.	CO2 pressure from the pilot cylinders.	Steel wire trigger lines provided to all bottles in the main bank.	Remote pull cables provided to each group of four bottles in the main bank.
2094	Which of the following statements describes one of the functions of the ballasting system?	To permit flooding of any fuel oil storage tank on any class of ship.	To use it as a secondary service system.	To store reserve feed or potable water for extended cruises.	To stabilize the ship by flooding certain designed tanks with seawater.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2095	Which of the following statements describes the advantage of using a Halon fire extinguisher versus a CO2 fire extinguisher?	Halon cools rather than smothers a fire.	Halon is more effective than CO2.	Halon can extinguish combustible metal fires.	Halon is not toxic and safe to breathe under all conditions.
2096	Which of the following statements describes the correct method to use when applying CO2 from a portable fire extinguisher?	Bounce the CO2 off the bulkhead.	Apply CO2 to the base of the flames in a sweeping motion.	Apply the CO2 to the top of the flames with a beating motion.	Direct the CO2 in as near a vertical upward direction as possible.
2097	Which of the following statements holds true for both CO2 and Halon 1301 fixed extinguishing systems?	A cylinder is considered satisfactory if its weight is within 10% of the stamped full weight of the charge.	If a protected space is ventilated mechanically, the ventilation system must be automatically shutdown by the release of the agent.	To avoid confusion during an emergency situation, there should be only one action necessary (such as a single pull box) to activate the system.	All of the above.
2098	Which of the following statements is correct concerning fire hoses used within the machinery spaces of cargo vessels, on which the fire main installations were contracted for on, or after 26 May 1965?	The fire hoses must be in 75 foot lengths.	The fire hoses must be 1 1/2 inches in diameter or less.	The fire hoses must be of the lined type.	The fire hoses must all be fitted with approved 5/8 inch nozzles.
2099	Which of the following statements is correct concerning fire hoses used within the machinery spaces of cargo vessels?	The fire hoses must be in 75 foot lengths.	The fire hoses must be 1 1/2 inches in diameter or less.	The fire hoses must be of the lined type.	The fire hoses must all be fitted with approved 5/8 inch nozzles.
2100	Which of the following statements is correct concerning fire main system details used aboard 2500 gross ton cargo vessels on international voyages?	The vessel must be equipped with a minimum of two independently driven fire pumps.	Fifty foot length hoses of 1 1/2 inch diameter may be used in exterior locations on the vessel.	The total area of the pipes leading from a fire pump must be more than the discharge area of the pump to avoid an excessive back pressure buildup (discharge head).	All of the above.
2101	Which of the following statements is correct concerning fixed carbon dioxide fire extinguishing systems?	A separate supply of carbon dioxide must be provided for each space protected.	The piping shall be used for no other purpose except that it may be incorporated with the fire-detecting system.	Distribution piping within the space shall be proportioned from the supply line to give the proper throttling to the outlets.	All of the above.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2102	Which of the following statements is FALSE concerning the proper procedure in handling a fire hose?	A 2-1/2 inch hose should be deployed with a minimum of a nozzleman and two hosemen.	Backup hoseman should be placed wherever the hose makes a significant turn.	A spanner wrench must always be used when attaching nozzles or additional lengths of hoses.	There is less hose nozzle thrust when using high velocity fog when compared to straight stream.
2103	Which of the following statements is FALSE concerning the proper procedure in handling a fire hose?	A 2-1/2 inch hose should be deployed with a minimum of a nozzleman and two hosemen.	Hose nozzle thrust increases with an increase in hose pressure.	Backup hoseman should be positioned wherever the hose makes a significant turn.	The fire hose should be partially charged before deploying the hose from the hydrant.
2104	Which of the following statements is NOT true concerning life-jackets?	They come in two sizes, child and adult.	They are required to be of a highly visible color.	They must be worn with the correct side facing outward.	They must be able to support the wearer in an upright position.
2105	Which of the following statements is true concerning a low velocity fog tip?	It is usually kept in the nozzle when stowed.	It sprays large droplets.	It is chained to the combination nozzle.	It sprays a fine mist.
2106	Which of the following statements is true concerning an immersion suit and its use?	Only a light layer of clothing may be worn underneath.	They provide sufficient flotation to do away with the necessity of wearing a lifejacket.	They should be tight fitting.	A tear in the suit will not appreciably reduce its value.
2107	Which of the following statements is TRUE concerning an inflatable life raft?	The floor may be inflated for insulation from cold water.	Crew members can jump into the raft without damaging it.	The raft may be boarded before it is fully inflated.	All of the above.
2108	Which of the following statements is true concerning Aqueous Film Forming Foam (AFFF)?	The agent cannot be used in conjunction with dry chemicals.	AFFF can only be produced from fresh water.	Because AFFF works through surface tension, it cannot be broken up if it is agitated.	AFFF controls the vaporization of flammable liquids by means of a water film.
2109	Which of the following statements is true concerning Bunker "C" vapors?	They can not be ignited by a spark unless the vapors are in a confined space.	They are nontoxic in all concentrations.	They can not be ignited by a spark unless vapors are at their auto ignition temperature.	They are heavier than air.
2110	Which of the following statements is true concerning carbon dioxide when used as a fire extinguishing agent?	Carbon dioxide is corrosive when exposed to fire.	Carbon dioxide should be applied slowly to a large engine room fire.	Its total cooling effect is far greater than water.	Its smothering effect is excellent for class B fires.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2111	Which of the following statements is true concerning fire hose stations used in the engine room of a tank or cargo vessel?	It must be marked in red letters two inches high	National Standard fire hose coupling threads shall be used having 9 threads per inch for 2 1/2 inch hose and 7 1/2 threads per inch for 1 1/2 inch hose.	In heavy weather, the hose may be removed temporarily from the hydrant.	All of the above.
2112	Which of the following statements is true concerning fire hose used in the engine room of a offshore supply vessel?	It must be marked with the name of the vessel.	National Standard fire hose coupling threads shall be used having 9 threads per inch for 2 1/2 inch hose and 7 1/2 threads per inch for 1 1/2 inch hose.	In heavy weather, the hose may be removed temporarily from the hydrant.	All of the above.
2113	Which of the following statements is true concerning fire pumps used aboard cargo vessels of 1,500 gross tons and over, contracted for on, or after May 26, 1965?	The fire pumps may be used for other purposes provided at least one of the pumps is kept available for use on the fire main system at all times.	Fire pumps shall have a minimum capacity of at least one-third of that required for an independent bilge pump.	Each pump shall be capable of delivering water simultaneously from the two highest outlets at a Pitot tube pressure of approximately 25 psi.	The total area of the pipes leading from a pump shall be less than the discharge area of the pump.
2114	Which of the following statements is true concerning Halon 1301 fire extinguishing equipment?	The agent is considered nontoxic at room temperature in low concentrations.	The agent is less effective than carbon dioxide.	Halon primarily extinguishes the fire by cooling.	The agent cannot be used on electrical fires because it leaves a residue.
2115	Which of the following statements is true concerning Halon 1301?	The agent is extremely toxic in any concentration.	The agent leaves no residue.	The agent extinguishes a fire by smothering.	All of the above.
2116	Which of the following statements is TRUE concerning lifejackets?	Buoyant vests may be substituted for lifejackets.	Kapok lifejackets must have plastic-covered pad inserts.	Lifejackets must always be worn with the same side facing outwards.	Lifejackets are not designed to turn a person's face clear of the water when unconscious.
2117	Which of the following statements is TRUE concerning lifejackets?	Buoyant vests may be substituted for lifejackets.	Lifejackets are designed to turn an unconscious person's face clear of the water.	Lifejackets must always be worn with the same side facing outwards to float properly.	Lightly stained or faded lifejackets will fail in the water and should not be used.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2118	Which of the following statements is TRUE concerning lifejackets?	Buoyant vests may be substituted for lifejackets.	Lifejackets are designed to turn an unconscious person's face clear of the water.	Lifejackets must always be worn with the same side facing outwards to float properly.	Lightly stained or faded lifejackets will fail in the water and should not be used.
2119	Which of the following statements is TRUE concerning lifejackets?	Buoyant vests may not be substituted for lifejackets.	Lifejackets can be worn with any side facing outwards.	Lifejackets are designed to turn a person's face clear of the water when unconscious.	All of the above
2120	Which of the following statements is true concerning oil transfer connections?	Any permanently connected flange coupling must have a bolt in each hole.	Approved quick-connect couplings may be used.	When a temporary connection utilizes an American National Standard Institute (ANSI) standard flange, a bolt in every other hole is acceptable if at least four bolts are used.	All of the above.
2121	Which of the following statements is true concerning the actions of a properly organized rescue party for removing an unconscious victim from a tank containing toxic vapors?	The victim should not be moved until the extent of his injuries is determined.	The victim should be fitted with a canister type OBA as soon as possible.	The rescue party should provide the victim with oxygen or fresh air immediately.	The tank vapors should be tested with an explosimeter before personnel enter.
2122	Which of the following statements is true concerning the control station activation handles for a space protected with a CO2 fixed fire extinguishing system?	Only one control activation handle is required for discharge piping systems designed without a separate stop valve.	Two separate control handles are required when a stop valve is installed in the CO2 discharge line leading to the protected space.	An alarm must sound for at least 20 seconds before CO2 is released into a space that is likely to be occupied.	All of the above
2123	Which of the following statements is true concerning the fire extinguisher shown in the illustration?	The initial discharge of the extinguisher should be at close range to scatter the burning material.	The agent may be applied in short bursts by opening and closing the squeeze nozzle piece #1.	There is no danger of reflash in using the illustrated extinguisher on a class B fire.	The illustrated extinguisher must never be used in conjunction with water.
2124	Which of the following statements is true concerning the fire extinguisher shown in the illustration?	The large canister piece contains light water.	The state of charge can be determined by examining the pressure gage.	The extinguisher can be recharged aboard ship.	All of the above.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2125	Which of the following statements is true concerning the Halon 1301 fire extinguishing agent?	The agent is highly toxic at normal room temperature.	The agent by weight is more effective than CO2.	Halon extinguishes the fire by smothering.	The agent can not be used on electrical fires as it leaves a residue.
2126	Which of the following statements is true concerning the Halon 1301 fire extinguishing agent?	The agent is highly toxic as stored in pressurized cylinders.	The agent is less effective than carbon dioxide.	Halon extinguishes the fire by a chain breaking reaction.	The agent can not be used on electrical fires because it leaves a residue.
2127	Which of the following statements is true concerning the overboard discharge of vessel sewage at sea?	Disinfected and comminuted sewage from an approved system may be discharged into the sea, if the vessel is more than two nautical miles from nearest land.	Disinfected and comminuted sewage from an approved system may be discharged into the sea, if the vessel is more than three nautical miles from nearest land.	Uncomminuted sewage from an approved system may be discharged into the sea, if the vessel is more than six nautical miles from nearest land.	Uncomminuted sewage from an approved system may be discharged into the sea, if the vessel is more than ten nautical miles from nearest land.
2128	Which of the following statements is true concerning the overboard discharge of vessel sewage at sea?	The vessel must have an approved sewage plant.	The vessel may discharge disinfected and comminuted sewage into the sea, from an approved system, only if the vessel is more than three nautical miles from the nearest land.	The vessel may discharge sewage into the sea, from an approved system which is not comminuted or disinfected, only if the vessel is more than 12 nautical miles from the nearest land.	All of the above
2129	Which of the following statements is true regarding an overhead fire fighting sprinkler head which is activated by the melting of a fusible link?	Sprinkler heads installed in the living spaces would have a higher melting point fusible link than those installed in the galley.	Sprinkler heads installed in the galley would generally have a higher melting point fusible link than those installed in the living spaces.	Sprinkler heads installed in the galley and living spaces would have the same fusible link melting point.	Sprinkler heads with fusible links are prohibited aboard U.S. flag vessels
2130	Which of the following statements is true regarding oxygen indicators?	A gas sample should only be taken from the lowest portion of the tank to test for oxygen.	Prolonged exposure to gases such as CO2 may affect the accuracy of the indicator.	An oxygen reading of 14% is considered safe for entering.	All of the above.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2131	Which of the following statements is true regarding the device illustrated?	The weight of the charge is equal to the gross weight stamped on the unit.	The upper handle (#1) is for operating the valve, the lower handle (#10) at the top of the left side of the large cylinder is for carrying.	The lower handle (#10) is for operating the valve, the upper handle (#3) is for carrying.	The unit must be turned upside down to operate.
2132	Which of the following statements is true regarding the operational testing and inspecting of a cargo vessel's lifesaving equipment by the ship's force?	On all vessels, regardless of voyage duration, the entire steering gear, whistle, and bridge-engine room communication systems must be tested within 12 hours of departure.	All emergency lighting and power systems, regardless of source, must be operated and tested at least once each week under load for at least 2 hours.	Where motor-propelled lifeboats are carried, regardless of length or person capacity, each lifeboat motor must be operated ahead and astern at least 3 minutes once a week.	All of the above.
2133	Which of the following statements represents the Coast Guard Regulations (46 CFR) applicable to the equipment required in a fireman's outfit?	The flashlight must be of an approved three cell fireproof type.	The assembled lifeline shall have a minimum breaking strength of 1,500 pounds (683.8 kg).	The combustible gas indicator hose must be 100 feet (30.48 m) in length.	All protective clothing must be electrically non-conductive.
2134	Which of the following statements represents the correct action to take when three crew members discover a fire?	One man report the fire, and the other two men fight the fire.	One man report the fire, one man fight the fire, and one man evacuate and secure the area.	One man report the fire, one man fight the fire, and one man act as a safety observer.	All three men fight the fire and report it immediately after it is extinguished.
2135	Which of the following statements represents U.S. Coast Guard regulations concerning the equipment used with firemen's outfits?	The flashlight must be an approved 3 cell fireproof type.	The lifeline must be phosphor bronze wire rope only.	The combustible gas indicator hose must be 100 feet (30.5 m) in length.	Boots and gloves must be electrically non-conducting.
2136	Which of the following steps should normally be taken first by those who have boarded a lifeboat in an emergency situation?	Ration food and water supplies	Search for survivors	Determine position and closest point of land	Check pyrotechnic supplies
2137	Which of the following steps should normally be taken first by those who have boarded a lifeboat in an emergency situation?	Ration food and water supplies.	Search for survivors.	Determine position and closest point of land.	Check pyrotechnic supplies.
2138	Which of the following substances is to be considered as fuel for a class "B" fire?	Wood	Rags	Electrical insulation	Fuel oil
2139	Which of the following substances would be classified as a combustible liquid?	diesel oil	turpentine	kerosene	all of the above
2140	Which of the following substances would be classified as a flammable liquid?	diesel oil	lube oil	alcohol	kerosene

ID #	Question	Choice A	Choice B	Choice C	Choice D
2141	Which of the following symptoms may be observed in a victim of cardiac arrest as a result of electric shock?	weak pulse at wrist or neck	flushed face	respiration is weak or has stopped	All of the above symptoms
2142	Which of the following symptoms would be indicated if a person's appendix ruptured?	Dilated pupils and shallow breathing	Diarrhea and frequent urination	Muscle tenseness in almost the entire abdomen	Extreme sweating and reddening skin
2143	Which of the following terms is the minimum temperature at which a liquid, as listed on a Material Safety Data Sheet (MSDS), gives off sufficient vapor concentration to ignite in the presence of an ignition source?	Explosion point	Flash point	Fire point	Danger point
2144	Which of the following treatments is used for traumatic shock?	Administer CPR	Administer fluids	Open clothing to allow cooling of the body	Keep the victim in a sitting position
2145	Which of the following vessels is NOT exempt from mandatory requirements on ballast water management for control of non-indigenous species in waters of the United States?	United States Navy frigate.	A vessel engaged in the foreign export of Alaskan North Slope Crude Oil.	A passenger vessel equipped with a USCG approved system designed to kill aquatic organisms in ballast water.	A crude oil tanker engaged in the coastwise trade.
2146	Which of the following would be considered a Class "B" fire?	Electrical fire in a motor	Waste rag fire in the engine room	Oil fire in the engine room bilges	Fire in the main switchboard
2147	Which of the hazards listed is of a primary concern, other than fire damage, associated with a class C fire?	Susceptible to reflash	Electrocution or shock	Explosion	Deep seated fire
2148	Which of the items in the lifeboat equipment listed would be the most suitable for night signaling to a ship on the horizon?	A red parachute flare	A red handheld flare	A flashlight	A lantern
2149	Which of the items in the lifeboat equipment listed would be the most suitable for night signaling to a ship on the horizon?	A red parachute flare	A red handheld flare	A flashlight	A lantern
2150	Which of the lifeboat parts listed must be painted bright red?	Buoyancy tanks	Releasing gear lever	Boat hooks	Oars
2151	Which of the lifeboat parts listed must be painted bright red?	Hatches	Releasing gear lever	Boat hooks	Compass
2152	Which of the listed burning materials would be described as a class "B" fire?	Acetylene	Lube oil	Grease	All of the above
2153	Which of the listed cargo hoses presents the greatest resistance to collapsing when operated under vacuum?	Lightweight cargo hose	Rough bore cargo hose	Smooth bore cargo hose	All of the above
2154	Which of the listed characteristics applies to a semi-portable CO2 system?	Each cylinder must weigh less than 50 pounds.	The cylinders are mounted horizontally.	It has a portable hose and nozzle.	It has distribution piping installed permanently.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2155	Which of the listed classes of fire is considered as one involving electrical equipment?	Class "A"	Class "B"	Class "C"	Class "D"
2156	Which of the listed classes of fire would apply to a main switchboard fire?	Class "A"	Class "B"	Class "C"	Class "D"
2157	Which of the listed classes of fire would most likely occur in the engine room of a vessel?	Classes A and B	Classes B and C	Classes C and D	Classes A and D
2158	Which of the listed classes of fires can best be extinguished with a water fog?	Class A and B	Class A and C	Class B and C	Class A, B, and C
2159	Which of the listed conditions can be considered as the single greatest cause of accidents?	Speed	Excessive knowledge or skill	Human error	Excitement
2160	Which of the listed conditions could cause a dangerous reduction in oxygen in a shipboard compartment?	Fire	Rusting or the drying of paint	Decomposing organic material	All of the above conditions
2161	Which of the listed conditions is a symptom of sun stroke?	Temperature falls below normal, pulse is rapid and feeble, and skin is cold and clammy.	Temperature is high, pulse is strong and rapid, and skin is hot and dry.	Temperature is high, pulse is slow and feeble, and skin is clammy.	Temperature falls below normal, pulse is rapid, and skin is clammy.
2162	Which of the listed conditions is a symptom of sun stroke?	Temperature falls below normal, pulse is rapid and feeble, and skin is cold and clammy.	Temperature is high, pulse is strong and rapid, and skin is hot and dry.	Temperature is high, pulse is slow and feeble, and skin is clammy.	Temperature falls below normal, pulse is rapid, and skin is clammy.
2163	Which of the listed conditions will occur to the ship's center of gravity if 200 tons of steel is transferred to the ships cargo hold from shore side?	The reserve buoyancy will rise.	The center of gravity will remain in the same position.	The center of gravity will be lowered.	The reserve buoyancy will remain the same.
2164	Which of the listed devices is required to be located on the discharge side of the pump in a fire main system?	Pressure gage	Strainer	Reduction valve	International shore connection
2165	Which of the listed equipment must be provided on a MODU helicopter deck equipped with fueling facilities?	Fuel testing station	Foam testing station	Foam fire protection system	Fire alarm
2166	Which of the listed extinguishing agents could be used to fight a class "B" fire involving the duct work for the galley stove?	CO2	Dry chemical	Halon	All of the above
2167	Which of the listed extinguishing agents is NOT suitable for fighting a liquid paint fire?	Dry chemical	Foam	Water	Carbon dioxide

ID #	Question	Choice A	Choice B	Choice C	Choice D
2168	Which of the listed factors should be considered most important when combating an engine room fire with a fixed Halon 1301 system in a motor vessel?	The high engine combustion temperatures liquefy the Halon.	The engine will absorb the Halon into its cooling system.	The engine will ingest a substantial quantity of the available Halon through its intake and exhaust it out the stack if the engine is not automatically shut down.	The engine will stall regardless of how little Halon has been taken in through the air intake.
2169	Which of the listed fire extinguishers cannot be easily recharged aboard ship?	Soda acid	Carbon dioxide	Dry chemical, cartridge-operated	Foam
2170	Which of the listed fire extinguishers is recommended for use on an electrical switchboard fire?	CO2	ABC dry chemical	CO2 propelled foam	All of the above
2171	Which of the listed fire extinguishers should be used on an electrical fire aboard ship?	Foam	Soda acid	Carbon dioxide	Carbon tetrachloride
2172	Which of the listed fire extinguishers should be used on an electrical fire aboard ship?	Foam	Soda acid	Carbon dioxide	Low velocity fog
2173	Which of the listed fire extinguishers would be most effective to use on a fire in a small electric motor?	Soda acid	Foam	CO2	Light water
2174	Which of the listed fire extinguishing agent combinations is the best for simultaneous use on a large oil fire?	A solid stream of water in conjunction with CO2.	Pre-cool with water fog before applying foam.	CO2 applied in conjunction with foam.	CO2 applied in conjunction with dry chemical.
2175	Which of the listed fire extinguishing agents would be incorrect for the direct use on a gasoline or oil fire?	A solid stream of water	Low velocity water fog	High velocity water fog	Mechanical firefighting foam
2176	Which of the listed fire extinguishing agents would be suitable for use on an oil fire, but dangerous on an electrical fire?	CO2	Water fog	Halon	Dry chemical
2177	Which of the listed firefighting agents and associated applications provide the largest shielding effect for the fire fighter?	Straight stream of water	Light water and foam mixture	Low velocity water fog	Carbon dioxide interface
2178	Which of the listed firefighting agents produces a buoyant blanket to separate the burning vapors from air?	CO2	Low-expansion foam	Water fog	Steam
2179	Which of the listed firefighting systems is best suited for fighting a fire in an oil rig ballast control room?	Automatic sprinkler system	Steam smothering system	Dry chemical system	Carbon dioxide system
2180	Which of the listed fixed fire extinguishing systems is most effective for use in the cargo holds?	Sprinkler	Chemical foam	Dry chemical	CO2

ID #	Question	Choice A	Choice B	Choice C	Choice D
2181	Which of the listed functions is the purpose of a gas scrubber in an inert gas generation system?	Cools the inert gas.	Maintains the oxygen content at 5% by volume.	Drains off static electricity in the inert gas.	Maintains the water seal on the gas main.
2182	Which of the listed initials is used to represent the indicator of initial stability?	GM	KG	KM	GZ
2183	Which of the listed materials would be considered as a burning class "C" fire?	Fuel oil	Wood	Celluloid	Electrical insulation
2184	Which of the listed methods, is the most effective to fight a fire on the open deck of a vessel if using a dry chemical type fire extinguisher?	Approach the fire from the windward side.	Direct the extinguisher discharge at the base of the fire.	Move the discharge stream back and forth in a rapid sweeping motion.	All of the above.
2185	Which of the listed operations must be personally supervised by the person-in-charge while taking on fuel?	Posting of the Declaration of Inspection in a conspicuous place under glass.	Topping off of any tanks being loaded.	Disposing overboard all waste oil or slops from drip pans.	Periodic sampling during the loading to ensure uniformity.
2186	Which of the listed precautions should be taken when testing a line throwing gun?	Never remove the line from the rocket.	Fire it at an angle of approximately 90 degrees to the horizon.	Wear asbestos gloves.	All of the above.
2187	Which of the listed precautions should be taken when testing a line throwing gun?	Never test the rocket with the service line attached.	Fire it at an angle of approximately 90 degrees to the horizon.	Wear asbestos gloves.	All of the above
2188	Which of the listed procedures should be followed when individuals are rescued in cold climates and suffer from hypothermia?	Give them brandy	Get them to a hot room	Immerse them in a warm bath 104°F (40°)	Cover with an electric blanket set for maximum temperature
2189	Which of the listed procedures should be followed when individuals are rescued in cold climates and suffer from hypothermia?	Give them brandy	Get them to a hot room	Apply warm compresses to the neck, chest wall and groin.	Cover with an electric blanket set for maximum temperature
2190	Which of the listed pumping arrangements will be hazardous when two similar centrifugal pumps are used to discharge a cargo of flammable liquid?	Both pumps operating at the same speed and discharging into a common line.	Both pumps operating at the same speed and taking suction from a common line.	Each pump operating at a different speed and taking suction from a common line.	Each pump operating at a different pressure and discharging into a common line.
2191	Which of the listed sources of ignition may cause fuel vapors to ignite?	Static electricity	An open and running motor	Loose wiring	All of the above
2192	Which of the listed substances is susceptible to spontaneous combustion?	Coal	Scrap rubber	Leather	All of the above
2193	Which of the listed tanks presents the greatest potential for an explosion?	A full tank of diesel oil	A partially filled tank of diesel oil	A full tank of lubricating oil	A partially filled tank of hydraulic oil

ID #	Question	Choice A	Choice B	Choice C	Choice D
2194	Which of the listed type of fires would the fire extinguisher, shown in the illustration, be suitable for extinguishing?	Mattress fire	Fire in an electronics console	Small oil fire on the engine room floor plates	Fire in an ullage opening
2195	Which of the listed types of bone fractures would be considered as the most serious?	Compound	Hairline	Closed	Crack
2196	Which of the listed types of fires should be extinguished with a straight stream of water?	Bilge	Mattress	Galley range	Switchboard
2197	Which of the methods shown in the illustration is the correct way to fit wooden shoring for damage control?	A	B	C	D
2198	Which of the petroleum products listed has a flash point below 150°F (65.5°C)?	Lubricating oils	Road oils	Asphalt	Light fuel oils
2199	Which of the petroleum products listed has the lowest flash point?	Hydraulic oil	Lubricating oil	Diesel oil	Refrigeration oil
2200	Which of the poisonous gases listed is the most likely to be found in a closed compartment involved in a fire?	Nitrogen	Hydrogen	Carbon dioxide	Carbon monoxide
2201	Which of the practices listed should be avoided since it represents a fire hazard?	Smoking near the burner front	Smoking in the machine shop	Stowing oily rags in a paint locker	Stowing portable acetylene bottles in the vertical position
2202	Which of the precautions listed should be observed when taking on diesel fuel?	Secure all lighting to the main deck.	Provide a portable fan to blow away fumes.	Prohibit smoking in the area.	Display a black triangle during daylight hours.
2203	Which of the signals listed is required to be displayed during the day while loading fuel?	A red flag	A yellow flag	A red and yellow flag	A red light
2204	Which of the statements listed is accurate concerning fires involving carbon tetrachloride?	It will explode if exposed to a flame.	Phosgene gas may be formed if it comes in contact with hot metal.	It will burn rapidly once ignited.	You cannot use water to fight the fire because it will react with the carbon tetrachloride.
2205	Which of the tools listed is designed for connecting and disconnecting fire hose couplings?	Vise grips	Channel locks	Spanner wrench	Pipe wrench
2206	Which of the toxic gases listed is a product of incomplete combustion, and is often present when a fire burns in a closed compartment?	Carbon dioxide	Hydrogen sulfide	Carbon monoxide	Nitric oxide
2207	Which one of the following statements is true concerning the gas free status of a compartment?	The gas free status only applies to the conditions of the compartment at the time of the inspection.	The gas free status only applies for the duration of the work to be completed inside the compartment.	The gas free status only applies for a 24 hour period following the inspection.	The gas free status applies as long as the air temperature inside the compartment remains at or below standard room temperature.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2208	Which portable fire extinguisher is normally recharged in a shore facility?	Dry chemical (cartridge-operated)	Water (cartridge-operated)	Water (pump tank)	Carbon dioxide
2209	Which procedure should be followed when individuals are rescued in cold climates and suffer from hypothermia?	Give them brandy or other alcoholic stimulation to promote a return to an acceptable body temperature.	Move them to a warm room to gradually raise their body temperature.	Keep them moving to stimulate circulation to raise their body temperature.	Warm them under an electric blanket to rapidly regain normal body temperature.
2210	Which procedure should NOT be done for a person whom has fainted?	Revive the person with smelling salts.	Loosen the clothing.	Lay the person horizontally.	Give pain reliever.
2211	Which ship must maintain Part II (Cargo/Ballast Operations) of the Oil Record Book?	A ship of 150 gross tons or above, other than an oil tanker.	A non-tanker that carries more than 200 cubic meters of oil in bulk.	An oil tanker of 100 gross tons or above.	A ship of 200 gross tons or above, other than an oil tanker.
2212	Which should NOT be a treatment for a person who has received a head injury and is groggy or unconscious?	Give a stimulant.	Elevate his head.	Stop severe bleeding.	Treat for shock.
2213	Which statement about immersion suits is TRUE?	All models will automatically turn an unconscious person face-up in the water.	The immersion suit seals in body heat and provides protection against hypothermia for weeks.	The suit will still be serviceable after a brief (2-6 minutes) exposure to flame and burning.	The wearer of the suit is not restricted in body movement and the suit may be donned well in advance of abandoning ship.
2214	Which statement about immersion suits is TRUE?	Not all models will automatically turn an unconscious person face-up in the water.	The immersion suit reduces the rate of body cooling and increases the survival time in cold water to hours or days.	The suit is flameproof and provides protection to a wearer swimming in burning oil,	The suit provides a full range of body movement and is suitable for routine wear on deck.
2215	Which statement about immersion suits is TRUE?	The suit is flameproof and provides protection to the wearer while swimming through burning oil.	The immersion suit seals in body heat and provides protection against hypothermia for weeks.	All models will automatically turn an unconscious person face-up in the water.	the suit should be donned just after the survival craft are launched.
2216	Which statement about immersion suits is TRUE?	Not all models will automatically turn an unconscious person face-up in the water.	The immersion suit seals in body heat and provides protection against hypothermia indefinitely.	The suit is flameproof and provides protection to the wearer while swimming through burning oil.	The suits provide for limited body movement such as walking, climbing a ladder and picking up small objects like a pencil.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2217	Which statement concerning the collection of fresh water is FALSE?	Fresh water may be obtained from fish.	Lifeboat covers or canopies should be washed with rain before drinking water is collected.	Fresh water may be collected from condensation inside the life raft.	Freshwater can be evaporated from standing seawater.
2218	Which statement concerning the collection of fresh water is FALSE?	Fresh water may be obtained from fish.	Lifeboat covers or canopies should be washed with rain before drinking water is collected.	Fresh water may be collected from condensation inside the life raft.	Freshwater can be collected from rainwater.
2219	Which statement is FALSE regarding Halon as a fire extinguishing agent?	It is more effective than CO ₂ .	It leaves no residue.	It is noncorrosive.	It is always non-toxic.
2220	Which statement is TRUE concerning an inflatable life raft?	The floor may be inflated for insulation from cold water.	Crew members can jump into the raft without damaging it.	The raft may be boarded before it is fully inflated.	All of the above.
2221	Which statement is TRUE concerning distress signals in survival craft?	Hand held flares and orange smoke.	If hand held rocket-propelled parachute flares are provided, they are the only distress signals required.	Two hand-held smoke signals shall be provided.	A very pistol with twelve flares is required.
2222	Which statement is true concerning Halon 1301 fire extinguishing equipment?	The agent is highly toxic under all conditions.	The agent is less effective than CO ₂ .	Halon extinguishes the fire by smothering.	The agent is a colorless odorless gas.
2223	Which statement is TRUE concerning life jackets which are severely damaged?	They should be replaced.	They must be tested for buoyancy before being continued in use.	They can be repaired by a reliable seamstress.	They can be used for children.
2224	Which statement is TRUE regarding Halon as a fire extinguishing agent?	It is more effective than CO ₂ .	It leaves no residue.	It is noncorrosive.	All of the above.
2225	Which statement regarding garbage disposal is correct?	Records for ground garbage disposal are not required when disposal into the sea occurs more than 25 miles offshore.	Discharging or transfer of garbage while in port to a shore facility must be recorded.	Maintaining records for the incineration of garbage aboard ship is not required.	The recording of garbage disposal should include the approximate weight.
2226	Which symbol shown in the illustration is used as a reference line from which the height of the center of gravity is measured.	5	4	3	2
2227	Which type of fire extinguisher is most prone to the freezing when exposed to low temperatures?	Halon 1211	Carbon dioxide	Foam	Dry chemical
2228	Which type of firefighting foam listed is supplied in both 3% and 6% concentrations?	Mechanical foam	Protein foam	Aqueous film forming foam	All of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
2229	Which type of hull damage on a floating MODU should be repaired first?	Damage below the waterline.	Damage to interior watertight boundaries.	Damage to or in the machinery rooms.	Damage at or just above the waterline.
2230	Which type of respiratory protection is preferable for the repair/investigation personnel in a hydrogen sulfide (H ₂ S) environment?	U.S. Navy Oxygen Breathing Apparatus (OBA)	Emergency Escape Breathing Apparatus (EEBA)	Self-Contained Demand-Type Breathing Apparatus (SCDBA)	Positive Self-Contained Breathing Apparatus (SCBA)
2231	Which type of wrench listed is used to disconnect fire hose couplings?	Locking wrench	Spanner wrench	Crescent wrench	Pipe wrench
2232	Which unit will provide excellent mobility to the wearer in an unsafe atmosphere and provide oxygen to sustain life?	A fresh air breathing apparatus	A self-contained breathing apparatus	An ammonia gas mask	All of the above
2233	Which visual distress signal is acceptable for daylight use only?	Handheld red flare	Self-contained rocket propelled red parachute flare	Orange smoke signal	Red aerial pyrotechnic flare
2234	Which would influence a magnetic compass?	Electric wiring	Iron pipe	Radio	All of the above
2235	While adrift in an inflatable life raft in hot, tropical weather _____.	the canopy should be deflated so that it will not block cooling breezes	the pressure valve may be periodically opened to prevent excessive air pressure	deflating the floor panels may help to cool personnel	the entrance curtains should never be opened
2236	While adrift in an inflatable life raft in hot, tropical weather _____.	the canopy should be deflated so that it will not block cooling breezes	the pressure valve may be periodically opened to prevent excessive air pressure	deflating the floor panels may help to cool personnel	the entrance curtains should never be opened
2237	While at your lifeboat station, a signal consisting of two short blasts of the ship's whistle is sounded. This indicates _____.	abandon ship	commence lowering boats	stop lowering boats	secure from boat stations
2238	While at your lifeboat station, you hear a signal consisting of one short blast of the whistle. This indicates _____.	abandon ship	commence lowering boats	stop lowering boats	secure from boat stations
2239	While at your lifeboat station, you hear a signal consisting of one short blast of the whistle. This indicates _____.	abandon ship	commence lowering boats	stop lowering boats	secure from boat stations
2240	While donning the positive-pressure self-contained breathing apparatus, you discover that the air cylinder pressure gage and the regulator pressure gage differ from each other by 500 psi. Which of the listed action should you consider as appropriate?	Replace the defective gages with a new pair from the spare parts inventory.	Replace the air cylinder.	Assume that the lower gage reading is correct.	Take the average of the two gages as the correct pressure.
2241	While fighting a fire, in order to utilize two hoses from a single 'weye' gate attached to a hydrant outlet, you need only turn the valve handle _____.	at the base of the "Y" in either direction	at the base of the "Y" counterclockwise 180°	on each leg of the "Y" 90°	on each leg of the "Y" 180°

ID #	Question	Choice A	Choice B	Choice C	Choice D
2242	While in a foreign port, burning and welding repairs are to be carried out on a section of heating coil located in a tank having last contained a grade "D" product. According to 46 CFR Part 91, within the subpart pertaining to "special operating requirements", which of the following procedures should be followed when a certified marine chemist is not available?	It is solely the chief engineer's responsibility to ensure all safety precautions are observed, and all entries are to be made in the engine room log.	The repair work cannot be done at this time due to the lack of the chemist's certificate.	Prior to any hot work, an inspection must be made by the senior officer present, and an entry made in the official logbook.	Repairs should proceed as scheduled since a chemist's certificate is not required for that type of work.
2243	While in dry-dock in a U.S. port, you discover that the spool piece for the fire pump sea suction is wasted away. You should _____.	place a cement box patch on the spool piece	replace the spool piece	silver braze a patch over the leak	patch the leak with epoxy sealer
2244	While loading bulk liquid cargo, a tank valve jams open. You should FIRST _____.	unplug the deck scuppers	run out the vessel's fire hose	order the shore facility to shut down	call the chief engineer
2245	While loading bulk oil, you notice oil on the water near the barge. Which of the following actions should you carry out FIRST?	Search the vessel for leaks	Notify terminal superintendent	Stop loading	Notify the Coast Guard
2246	While on watch in the engine room, you hear a continuous sounding of the general alarm. Which of the following actions should you take FIRST?	Secure the burners then proceed to your assigned boat station.	Start the fire pump and establish flow to the fire main.	Open the guardian valve and standby to maneuver.	Open the master control valves on the fixed CO2 system.
2247	While on watch in the engine room, you hear a continuous sounding of the general alarm. Which of the following actions should you take?	Make an entry in the official logbook.	Open the master control valves on the fixed CO2 system.	Start the fire pump and check discharge pressure.	Secure auxiliary condenser overboard discharge.
2248	While providing assistance to a victim of an epileptic seizure, it is most important to _____.	move a patient to a comfortable bed	get professional medical advice for further medical care	keep the patient awake and make him walk if necessary to keep him awake	remove any soiled clothing and put the patient in a clean bed
2249	While providing assistant to a victim of an epileptic seizure, it is most important to _____.	give artificial respiration	prevent patient from hurting himself	keep the patient awake and make him/her walk if necessary to keep him/her awake	remove any soiled clothing and put the patient in a clean bed
2250	While reading the muster list, you see that 'three short blasts on the ship's whistle and the same signal on the general alarm bells' is the signal for _____.	abandon ship	dismissal from drills	fire and emergency	man overboard
2251	While retrieving the survival craft, the engine should be stopped _____.	when the craft clears the water	when the cable has been attached	on approach to the platform	at the embarkation
2252	While retrieving the survival craft, the engine should be stopped _____.	when the craft clears the water	when the cable has been attached	on approach to the platform	at the embarkation

ID #	Question	Choice A	Choice B	Choice C	Choice D
2253	While taking on fuel oil, the transfer hose begins leaking, causing a sheen on the water. You should _____.	apply dispersants to the sheen	repair the leak with duct tape	reduce the rate of transfer	shut down operations
2254	While taking on fuel, you notice oil on the water around the vessel. Which of the following actions should be taken FIRST?	Stop fueling	Notify the dispatcher	Notify the terminal superintendent	Determine if your vessel is the source
2255	While wearing a self-contained breathing apparatus the alarm bell begins ringing. Which of the following conditions does this indicate?	There is a 4-5 minute supply of air remaining in the air cylinder.	There is approximately 500 psi (3.5 MPa) of pressure left in the air cylinder.	The wearer should immediately leave the contaminated area.	All of the above.
2256	While wearing a self-contained breathing apparatus, the user must be aware of the bulkiness of the unit in order to avoid confined spaces. Of what other limitations should the user be aware?	The weight of the unit changes the user's center of gravity.	The lens of the facepiece reduces the user's peripheral vision.	The attached lifeline limits the user's mobility.	All of the above.
2257	While working in the engine room, you hear seven short blasts followed by one long blast on the ship's whistle, supplemented by the same signal on the general alarm bells. You should _____.	start the fire pump to charge the fire main	standby the main console and await orders from the engineer on watch	go to your fire station	go to your lifeboat station
2258	While you are fighting a fire in a smoke-filled compartment one of your shipmates falls sustaining a severe laceration and ceases breathing. Your FIRST response should be to _____.	remove him from the compartment	begin artificial respiration	control the bleeding	treat for shock
2259	While your vessel is fueling, you notice that the transfer hose has developed a large bulge. Which of the following actions should be taken, according to Coast Guard Regulations (33 CFR), if you are the person-in-charge?	Wrap the bulge area with nylon line.	Stop the transfer of fuel.	Report the incident to the Coast Guard	Simply order new hose for the next fueling operation.
2260	Who is charged with appointing persons to be in command of the lifeboats and/or life rafts on a mobile offshore drilling units?	Rig superintendent	Toolpusher	Company man	Designated person-in-charge
2261	Who is responsible for lowering the survival craft?	Roustabout	First man aboard	Last man aboard	Helmsman
2262	Who is responsible for reporting a casualty for a mobile offshore drilling unit?	The pilot.	The owner.	The surveyor.	The engineer.
2263	Who shall insure that all records required by regulations are retained onboard a mobile offshore drilling unit involved in a casualty?	Officer-in-Charge, Marine Inspection	Owner	Pilot	Engineer
2264	Who should inspect and test an inflatable life raft?	The person in Charge	An approved servicing facility	Shipyard personnel	A certified lifeboatman
2265	Who should inspect and test an inflatable life raft?	The Chief Mate	An approved servicing facility	Shipyard personnel	A certified lifeboatman

ID #	Question	Choice A	Choice B	Choice C	Choice D
2266	Why are flame screens on tank vents an important safety device?	They provide a 'dead air space' within a fuel tank.	They accelerate the dispersal of fuel vapors.	They help prevent the passage of flames from or into the vent line.	They smother flames once a fire has been started.
2267	Why are lifeboats usually double-ended?	They are more seaworthy and less likely to be swamped or broach to.	They can go forward and backward more easily.	They require less space for stowing aboard ship.	Appearance and traditional styling.
2268	Why is an upper limit switch used when raising the lifeboat?	To prevent the davits from pulling up against the stops.	To assist in cranking in the lifeboat.	To keep the tricing lines from releasing or getting tangled.	To stop the lifeboat from being lowered.
2269	Why is it essential to introduce CO2 from a fixed fire extinguishing system, into a large engine room, as quickly as possible?	The fire may warp the CO2 piping.	To keep the fire from spreading through the bulkheads.	Updraft from the fire tends to carry the CO2 away.	Carbon dioxide takes a long time to disperse to all portions of a space.
2270	Why is it important for double bottom fuel oil tanks not to be topped off when loading fuel at cold temperatures?	Increased viscosity of the product needs higher loading pressure, which increases the chances of a spill.	Air pockets may cause the fuel to bubble out of the ullage hole.	A temperature rise of the fuel will cause an overflow from the tank vent.	Fueling valve may become stuck closed and cause the fuel oil to spill before the valve can be opened.
2271	Why is it important for fuel oil tanks not to be topped off when loading cold oil?	Increased viscosity of the product needs higher loading pressure, which increases the chance of a spill.	Air pockets may cause the fuel to bubble out of the ullage hole.	The change in its specific volume when heated may cause an overflow.	The fueling valve may become stuck closed and cause the fuel oil to spill before the valve can be opened.
2272	Why is it necessary to cool the bulkheads, decks, and overheads surrounding an involved compartment fire?	Cool the metal below its ignition temperature	Form a dense coating of smothering steam	Prevent oxygen from reaching the flames	Prevent the fire from spreading by heat conduction
2273	Why is it necessary to warn engine room personnel before activating the fixed CO2 system?	To make them aware there is a fire.	To let them know they should leave the engine room.	To prevent possible injury from frostbite.	To make them aware that ventilation will automatically stop.
2274	Why should passageway fires be fought from one end only?	This action will cause the passageway to become slippery and difficult for fire fighters to stand.	So that one hose team does not push the flames heat and smoke directly at the other hose team.	It is impossible for the fire main to handle two fully pressurized hoses.	So that the extinguishing water can be trapped at the end of the passageway.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2275	Why should you wear a self-contained breathing apparatus before entering a closed compartment to fight a fire?	The fire produces carbon monoxide which causes an oxygen deficiency in the brain and body, leading quickly to death.	The fire produces smoke, which contains toxic gases that cause breathing difficulties and irritation of the respiratory tract.	The fire consumes oxygen which may lead to asphyxiation.	All of the above.
2276	Why should you wear a self-contained breathing apparatus before entering the engine room after the fixed CO2 system has been discharged to combat a major fire?	Because carbon dioxide dilutes the oxygen concentration in the atmosphere and may cause asphyxiation.	Because carbon dioxide breaks down in a fire into carbon monoxide which may cause blood poisoning in the person breathing this gas.	Because carbon dioxide is a colorless and odorless gas that becomes highly toxic in the presence of high temperatures and will quickly incapacitate a person exposed to this gas.	This action is unnecessary as carbon dioxide is not poisonous nor toxic but is a relatively harmless gas.
2277	With damaged floating vessels, the most important consideration is the preservation of _____.	bilge pumping capacity	reserve buoyancy	level attitude	instability
2278	With no alternative but to jump from a MODU, the correct posture should include _____.	holding down the lifejacket against the chest with one arm crossing the other, covering the mouth and nose with a hand, and feet together	knees bent and held close to the body with both arms around legs	body straight and arms tightly at the sides for feet first entry into the water	both hand holding the lifejacket below the chin with knees bent and legs crossed
2279	With no alternative but to jump from a vessel, the correct posture should include _____.	holding down the lifejacket against the chest with one arm crossing the other, covering the mouth and nose with a hand, legs straight and feet together	knees bent and held close to the body with both arms around the legs	body straight and arms tightly at the sides for feet first entry into the water	both hands holding the lifejacket below the chin with knees bent and legs crossed

ID #	Question	Choice A	Choice B	Choice C	Choice D
2280	With no alternative but to jump from an OSV, the correct posture should include _____.	holding down the lifejacket against the chest with one arm crossing the other, covering the mouth and nose with a hand, and feet together and ankles crossed	knees bent and held close to the body with both arms around legs	body straight and arms tightly at the sides for feet first entry into the water	both hands holding the lifejacket below the chin with knees bent and legs crossed
2281	With no environmental forces present, the center of gravity of an inclined vessel is vertically aligned with the _____.	longitudinal centerline	center of flotation	original vertical centerline	center of buoyancy
2282	With regards to a ship's Oil Record Book, an oil tanker of 150 gross tons and above must maintain entries in _____.	Part I only	Part II only	Both Part I and Part II	Part III
2283	With regards to the metacentric height, which of the following statements is true?	It is used to indicate the quality of initial stability.	It is located below the center of buoyancy.	It is measured vertically above the center of buoyancy.	Its determination is the objective of the inclining experiment.
2284	With the air supply on, the air pressure in the survival craft will be _____.	changing in relation to the speed of the craft	less than outside air pressure	greater than outside air pressure	equal to outside air pressure
2285	With the handle in position "A", the device shown in the illustration will produce _____.	low velocity fog	a solid stream	no water flow	high velocity fog
2286	With the handle in the position labeled "A", shown in the illustration, the nozzle will deliver _____.	a low velocity fog	a solid water stream	no water flow	minimum water flow
2287	With the handle of the device shown in the illustration is in the position labeled "C" the nozzle will deliver _____.	a fog	a spray	no flow	a solid stream
2288	With the sprinkler system and air system on, and all hatches shut, the survival craft will be protected from _____.	a nuclear environment	a fire and toxic environment	a hurricane	a drop greater than ten feet
2289	Wooden shoring is used in shipboard damage control to _____.	force a warped bulkhead back into its normal position	prevent fractures from spreading	force a sprung bulkhead back into place	support a damaged bulkhead in position
2290	Wooden shoring, with a cross-sectional dimension of 4" X 4" (10.2 cm X 10.2 cm) should not be longer than _____.	8 feet (2.43 m)	10 feet (3.048 m)	16 feet (4.87 m)	20 feet (6.09 m)
2291	You are about to enter a compartment to investigate a suspected smoldering fire. If you're not wearing a self-contained breathing apparatus, you should test the compartment's atmosphere to determine if there is/are _____.	sufficient oxygen to sustain human life	an explosive mixture in the compartment	a toxic atmosphere in the compartment	all of the above

ID #	Question	Choice A	Choice B	Choice C	Choice D
2292	You are administering chest compressions during CPR. Where on the victim's body should the pressure be applied?	Tip of the sternum	Top half of the sternum	Lower half of the sternum	Left chest over the heart
2293	You are administering chest compressions during CPR. Where on the victim's body should the pressure be applied?	Tip of the sternum	Top half of the sternum	Lower half of the sternum	Left chest over the heart
2294	You are administering chest compressions on an adult victim during CPR, the sternum should be depressed about _____.	1/2 inch or less	1/2 inch to 1 inch	1 inch to 1-1/2 inches	1-1/2 inch to 2 inches
2295	You are assigned to patrol the boundaries of the fire shown in figure 1 of the illustration. What signs would indicate the fire was spreading to an adjacent compartment?	Bulkhead is hot.	Paint on bulkhead is blistering.	Temperature inside compartment is higher than outside.	All of the above.
2296	You are assigned to the hose team and have suited up in a firefighting ensemble to fight a large fire in the engine room. What will determine the time allowed to combat the fire before you should be relieved?	Fire location.	Intensity of the fire.	Available air supply.	All of the above.
2297	You are at sea in an inflatable life raft. In high latitudes, the greatest danger is _____.	collapse of the raft due to cold temperatures	asphyxiation due to keeping the canopy closed	hypothermia caused by cold temperature	starvation
2298	You are at sea in an inflatable life raft. In high latitudes, the greatest danger is _____.	collapse of the raft due to cold temperatures	asphyxiation due to keeping the canopy closed	hypothermia caused by cold temperature	starvation
2299	You are attempting to administer CPR to a victim. When you blow into his mouth it is apparent that no air is getting into the lungs. What should you do?	Raise the victim's head higher than his feet.	Blow harder to force the air past the tongue.	Re-tip the head and try again.	Press on the victim's lungs so that air pressure will blow out any obstruction.
2300	You are attempting to administer CPR to a victim. When you blow into his mouth it is apparent that no air is getting into the lungs. What should you do?	Raise the victim's head higher than his feet.	Blow harder to force the air past the tongue.	Re-tip the head and try again.	Press on the victim's lungs so that air pressure will blow out any obstruction.
2301	You are attempting to administer CPR to a victim. While blowing into the victim's mouth, it is apparent that no air is getting to the lungs. Which of the following actions should you take?	Blow harder to force the air past the tongue.	Raise the victim's head higher than his feet.	Press on the victim's lungs so that air pressure will blow out any obstruction.	Re-tip the head and try again.
2302	You are attempting to administer CPR to a victim. While blowing into the victim's mouth, it is apparent that no air is getting to the lungs. Which of the following actions should you take?	Blow harder to force the air past the tongue.	Raise the victim's head higher than his feet.	Press on the victim's lungs so that air pressure will blow out any obstruction.	Re-tip the head and try again.
2303	You are fighting a class "B" fire with a portable dry chemical extinguisher. The discharge should be directed _____.	at the seat of the fire, starting near the edge	over the top of the fire	at the main body of the fire	to bank off a bulkhead onto the fire

ID #	Question	Choice A	Choice B	Choice C	Choice D
2304	You are in a survival craft broadcasting a distress message. What information would be essential to your rescuers?	The nature of the distress.	The time of day.	Your radio call sign.	Your position by latitude and longitude.
2305	You are in a survival craft, broadcasting a distress message. What information would be essential to your rescuers?	The nature of the distress.	The time of day.	Your radio call sign.	Your position by latitude and longitude.
2306	You are in charge of the hose team assigned to cool the upper boundaries of the fire shown in figure 1 of the illustration. Which hose would you use to safely accomplish this task? I. Hose I II. Hose II	I	II	Both I and II	Neither I or II
2307	You are in compartment "A", shown in the illustration, and suspect a fire in compartment "B". In order to check for and confirm the fire in compartment "B" you should _____.	open the watertight door	feel the bulkhead	tap the bulkhead	move a lighted candle along watertight door seal
2308	You are in the mess room when a shipmate suddenly begins to choke, is unable to speak and starts to turn blue. Which of the following actions should you take?	Administer abdominal thrust (Heimlich maneuver) in an effort to clear the airway.	Make the victim lie down with the feet elevated to get blood to the brain.	Immediately administer CPR.	Do nothing until the victim becomes unconscious.
2309	You are involved in an emergency landing of a helicopter on the water. You should inflate your life jacket _____.	upon entering the helicopter	prior to reaching the water	after reaching the water, but prior to exiting the helicopter	after exiting clear of the helicopter
2310	You are making a round of the engine room and while entering the cargo pump room, you discover a person laying at the bottom of the ladder. What action should be taken first?	Immediately enter the area and see if the person is conscious.	After finishing your round, notify the bridge.	Promptly notify the deck watch officer.	Send the QMED to the area and have him determine if the person has fainted.
2311	You are picking up a person who has fallen overboard. A rescue boat should be maneuvered to normally approach the victim with the _____.	victim to leeward	victim to windward	wind on your port side	wind on your starboard side
2312	You are replacing a section of heavy piping on deck and using a chain fall to lift the pipe. Which of the following precautions should be taken to prevent personal injury?	Position several men under the pipe so they can catch it if it falls.	Attach lines to the ends of the pipe and have your helpers steady the load.	Place an old mattress under the hoist to prevent the load from hitting the deck.	Have a first aid kit at the job site.
2313	You are taking on fuel when you notice oil in the water around your vessel. You should immediately stop fueling and _____.	begin cleanup operation	notify the U.S. Coast Guard	leave the area	notify the Army Corps of Engineers

ID #	Question	Choice A	Choice B	Choice C	Choice D
2314	You are testing the external inflation bladder on an immersion suit and find it has a very slow leak. Which of the actions listed should be taken?	Replace the suit.	Replace the inflation bladder.	Contact the manufacturer for repair instruction.	Some leakage should be expected and a topping off tube is provided; no other action is necessary.
2315	You are transferring fuel from a supply vessel to your MODU. If you close off one tank in the line of tanks being filled, the flow rate to the other open tanks on the same line will _____.	increase	decrease	stop	stabilize
2316	You are transferring fuel from the storage tanks to the day tanks by means of an electric fuel oil transfer pump. If the pump motor catches fire, you would FIRST _____.	secure the fuel manifold	shut off power to the pump	shut off the power ventilation	spray water on the fire
2317	You are treating a shipmate with a compound fracture of the lower arm. Which of the listed actions should you take?	Apply a tourniquet to control bleeding then align the bones and splint.	Apply traction to the hand to keep the bones in line, splint and apply a pressure dressing.	Force the ends of the bones back into line, treat the bleeding, and splint.	Apply a bulky, sterile, pressure dressing to control bleeding, then apply a temporary splint and place the victim in bed.
2318	You are wearing a self-contained breathing apparatus while fighting a fire in an enclosed space. If sudden strong resistance to breathing is experienced, your first action should be to _____.	tug twice on your lifeline and slow your breathing until help arrives	retreat immediately to outside air	take a deep breath and remove your apparatus for adjustment	give two or three strong exhalations to increase the flow through the apparatus
2319	You can find the location of your abandon ship post by checking the _____.	Certificate of Inspection	Muster List ("Station Bill")	vessel's logbook	vessel's documentation
2320	You can find the location of your abandon ship post by checking the _____.	vessel's logbook	vessel's documentation	muster list	Certificate of Inspection
2321	You can generally improve the vessel's stability in a hazardous situation by _____.	pumping double bottoms to the forepeak	ballasting appropriate port or starboard deep tanks	transferring ballast athwartships	deballasting double bottoms
2322	You can indicate that your vessel is in distress by _____.	displaying a large red flag	displaying three black balls in a vertical line	sounding four short blasts and after two seconds sounding three more rapid blasts on the whistle	continuously sounding the fog horn
2323	You have abandoned ship and after two days in a life raft you can see an aircraft near the horizon apparently carrying out a search pattern. You should _____.	switch the EPIRB to the homing signal mode	use the voice transmission capability of the EPIRB to guide the aircraft to your raft	turn on the strobe light on the top of the EPIRB	use visual distress signals in conjunction with the EPIRB

ID #	Question	Choice A	Choice B	Choice C	Choice D
2324	You have abandoned ship and after two days in a life raft you can see an aircraft near the horizon apparently carrying out a search pattern. You should _____.	switch the EPIRB to the homing signal mode	use the voice transmission capability of the EPIRB to guide the aircraft to your raft	turn on the strobe light on the top of the EPIRB	use visual distress signals in conjunction with the EPIRB
2325	You have abandoned ship and are in an inflatable raft that has just inflated. You hear a continuous hissing coming from a fitting in a buoyancy tube. Which of the following statements identifies the cause of this situation?	The saltwater is activating the batteries of the marker lights on the canopy.	The inflation pump is in automatic operation to keep the tubes full inflated.	A deflation plug is partially open allowing the escape of CO2.	Excess inflation pressure is bleeding off and should soon stop.
2326	You have abandoned ship and are in charge of a life raft or lifeboat. How much water per day should you permit each person after the first 24 hours?	1 can	1 pint	1 quart	1 gallon
2327	You have abandoned ship and are in charge of a life raft. How much water per day should you permit each occupant to drink after the first 24 hours?	1 can	1 pint	1 quart	1 gallon
2328	You have abandoned ship in tropical waters. Which of the following procedures should be used during a prolonged period in a life raft?	Wet clothes during the day to decrease perspiration.	Get plenty of rest.	Keep the entrance curtains open.	All of the above.
2329	You have abandoned ship in tropical waters. Which of the following procedures should be used during a prolonged period in a life raft ?	Wet clothes during the day to decrease perspiration.	Get plenty of rest.	Keep the entrance curtains opened.	All of the above.
2330	You have found a person laying prone and not breathing. An electric wire is touching the victim. Which of the actions listed is the FIRST thing you should do?	Shut off the power and then remove the wire from the person.	Immediately begin artificial respiration.	Immediately begin cardiac massage.	Leave the accident scene and summon medical assistance.
2331	You have found a person laying prone and not breathing. An electric wire is touching the victim. Which of the actions listed is the FIRST thing you should do?	Immediately begin cardiac massage.	Immediately begin artificial respiration.	Shut off power or remove the wire from the victim.	Leave the accident scene and summon medical assistance.
2332	You have just abandoned ship and boarded a life raft. After the raft is completely inflated you hear a whistling noise coming from a safety valve. You should _____.	not become alarmed unless it continues for a long period of time	plug the safety valve	unscrew the deflation plugs	remove the safety valve and replace it with a soft patch
2333	You have just extinguished an oil fire on the floor plates of the engine room with a 15 pound CO2 extinguisher. Which of the listed dangers should you now be preparing to handle?	Reflashing of the fire.	Sudden stoppage of the main engine.	Complete lack of oxygen in the engine room.	Chemical reaction of the CO2 and oil forming carbonic acid.
2334	You have just extinguished an oil fire on the floor plates of the engine room with a 15 pound (6.8 kg) CO2 extinguisher. Which of the dangers listed should be prepared for next?	Complete lack of oxygen in the engine room.	Chemical reaction of the CO2 and oil forming carbonic acid.	Sudden stoppage of the main engine.	Rekindling of the fire.

ID #	Question	Choice A	Choice B	Choice C	Choice D
2335	You hear the general alarm bells and ships whistle sound for over 10 seconds. Traditionally, this is the signal for _____.	abandon ship	dismissal from drills	fire and emergency	lower lifeboats
2336	You may improve a vessel's stability by _____.	keeping the fuel tanks topped off	increasing the free surface effect	keeping the fuel tanks at least half full	keeping at least one fuel tank empty for slops
2337	You may improve a vessel's stability by _____.	keeping double-bottom fuel tanks topped off	increasing the free surface effect of liquid storage tanks	keeping fuel tanks at least half full	keeping at least one fuel tank empty for slops
2338	You must insure that lifesaving equipment is _____.	locked up	readily accessible for use	inaccessible to passengers	on the topmost deck of the vessel at all times
2339	You notice a large amount of smoke coming from an open laundry room doorway, accompanied by the odor of burning cotton fabric. After activating the fire alarm, your next course of action should be to _____.	begin breaking out the nearest fire hose	activate the fixed CO2 system	close the door to the room	locate and don an available SCBA
2340	You notice smoke coming from an open laundry room doorway. After activating the fire alarm, which of the following should you do FIRST?	Immediately act to protect spaces adjacent to the fire.	If conditions permit, locate and use the nearest portable fire extinguisher and attempt to gain immediate control or minimize the fire spread.	Immediately act to protect the compartment that is directly above the laundry room.	Go to the nearest fire station and begin to break out the fire hose.
2341	You notice smoke coming from an open laundry room doorway. After activating the fire alarm, which of the following would you do FIRST?	Attempt to determine what is burning.	Locate and acquire the nearest emergency breathing apparatus.	Break out a fire hose.	Wait for the fire team to arrive and assist them as instructed.
2342	You receive the record of cylinder weights, shown in the illustration, at the annual servicing of your ship's CO2 system. Which pair of CO2 cylinders requires recharging?	101 and 102	103 and 106	106 and 108	103 and 108
2343	You should deploy the sea anchor from a life raft to _____.	keep the life raft from capsizing	navigate against the current	keep personnel from getting seasick	stay in the general location
2344	You should deploy the sea anchor from a life raft to _____.	keep the life raft from capsizing	navigate against the current	keep personnel from getting seasick	help stay in the general location
2345	You will find a limit switch on a _____.	life raft cradle	radial davit	sheath-screw davit	gravity davit
2346	Your assigned emergency stations aboard your vessel can be found on the ship's _____.	muster list	certificate of inspection	clearance papers	permit to proceed
2347	Your assigned emergency stations aboard your vessel can be found on the ship's _____.	clearance papers	permit to proceed	certificate of inspection	Muster List ("Station Bill")

ID #	Question	Choice A	Choice B	Choice C	Choice D
2348	Your ship has run aground and it is necessary to determine whether or not a compartment has flooded. Therefore, you should _____.	open the watertight door and take a quick look	open a hatch dog on the side of the hinges	tap the bulkhead with a hammer to check for a water level	feel the bulkhead to see if it is hot
2349	Your ship is sinking rapidly. A container containing an inflatable life raft has bobbed to the surface upon functioning of the hydrostatic release. Which action should you take?	Cut the painter so it will not pull the life raft container down.	Swim away from the container so you will not be in danger as it goes down.	Take no action because the painter will cause the life raft to inflate and open the container.	Manually open the container and inflate the life raft with the hand pump.
2350	Your survival craft is rolling in heavy seas. You can reduce the possibility of capsizing by _____.	shifting the rudder constantly	moving all personnel forward and low	moving all personnel aft	rigging a sea anchor
2351	Your vessel has run aground and upon taking fuel oil tank soundings, you find that a fuel tank level has increased. You therefore should suspect _____.	condensation in the fuel tank	a crack in the hull portion of the fuel tank	a load of bad fuel	contamination from the saltwater flushing system
2352	Your vessel is equipped with totally enclosed lifeboats. Which of the following statements is correct should the boat be enveloped in flames?	The ventilators will automatically close by the action of fusible links.	The diesel engine will take its air supply from outside the lifeboat to prevent asphyxiation of the crew.	A water spray system to cool the outside of the boat is operated by a high-volume manual pump.	A pressurized air tank will provide approximately ten minutes of air for the survivors and the diesel engine.
2353	Your vessel is required to have an impulse-projected line throwing appliance. The auxiliary line must _____.	be of light color	be 250 meters in length	have a breaking strength of 9000 lbs force	be made of synthetic material
2354	Your vessel is taking on bunkers from a shore side facility. If oil begins flowing from one tank vent, which of the following actions should be taken FIRST?	Open the intake valve to an adjacent tank.	Set out drip pans and sawdust and begin to mop up the spill.	Signal the shore control point to shutdown.	Close the valve on the tank vent line.
2355	Your vessel is taking on fuel oil when a small leak develops in the hose and you have ordered the pumping stopped. Before resuming pumping you should _____.	notify the terminal superintendent	place a large drip pan under the leak and plug the scuppers	repair the hose with a patch	replace the hose

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