## 07/07/2008

Bank: (Aviation Mechanic General) Airman Knowledge Test Question Bank

The FAA computer-assisted testing system is supported by a series of supplement publications. These publications, available through several aviation publishers, include the graphics, legends, andmaps that are needed to successfully respond to certain test items. Use the following URL to download acomplete list of associated supplement books: <a href="http://www.faa.gov/education\_research/testing/airmen/test\_questions/media/supplements.pdf">http://www.faa.gov/education\_research/testing/airmen/test\_questions/media/supplements.pdf</a>

1. AMG031 AMG

In an ac circuit, the effective voltage is

- A) equal to the maximum instantaneous voltage.
- B) greater than the maximum instantaneous voltage.
- C) less than the maximum instantaneous voltage.
- 2. AMG015 AMG

The basis for transformer operation in the use of alternating current is mutual

- A) inductance.
- B) capacitance.
- C) reactance.
- 3. AMG031 AMG

(Refer to General figure 2.) What is the total capacitance of a circuit containing three capacitors in parallel with capacitances of .02 microfarad, .05 microfarad, and .10 microfarad, respectively?

- A) .170 μ F.
- B) 0.125 pF.
- C) .0125 µ F.
- 4. AMG015 AMG

When inductors are connected in series in a circuit, the total inductance is (where the magnetic fields of each inductor do not affect the others)

(Note: LT = L1 + L2 + L3 ...)

- A) less than the inductance of the lowest rated inductor.
- B) equal to the inductance of the highest rated inductor.
- C) equal to the sum of the individual inductances.
- 5. AMG031 AMG

The amo	ount of electricity a capa	acitor can store is directly proportional to the
A) distar	nce between the plates	and inversely proportional to the plate area.
B) plate	area and is not affecte	d by the distance between the plates.
C) plate	area and inversely pro	portional to the distance between the plates.
6.	AMG031	AMG
		I to the flow of alternating current is called (disregard resistance)
A) imped	•	3
B) reluct		
C) induc	tive reactance.	
<b>-</b>	1110004	4440
7.	AMG031	AMG
	el, three of which have	olt generator be required to supply to a circuit containing five lamps a resistance of 6 ohms each and two of which have a resistance of 5
A) 1.11 a	amperes.	
B) 1 amp	oere.	
C) 25.23	amperes.	
8.	AMG031	AMG
		en two conductors which are insulated from each other is measured in
B) ampe	res.	
C) coulo	mbs.	
0	AMC045	AMG
9. Which re	AMG015	cal power during operation?
	•	
•	horsepower = 746 wat volt motor requiring 8 a	,
•	30-watt lamps in a 12-v	·
•	·	res each in a 24-volt parallel system.
C) IWOI	ignis requiring 5 ampe	es each in a 24-voit parailer system.
10.	AMG015	AMG
		furnish 48 watts to a parallel circuit consisting of four resistors of e drop across each resistor?
A) 12 vo	lts.	
B) 6 volt	S.	
C) 24 vo	lts.	

11.	AMG031	AMG
Which is correct of	concerning a parallel circuit?	
A) Total resistanc	e will be smaller than the smallest resistor.	
B) Total resistanc	e will decrease when one of the resistances is re	emoved.
C) Total voltage d	Irop is the same as the total resistance.	
,	•	
12.	AMG031	AMG
Transfer of electri	c energy from one circuit to another without the	aid of electrical connections
A) is called induct	ion.	
B) is called capac	itance.	
C) can cause exc amperages.	essive arcing and heat, and as a result is practic	al for use only with low voltages
13.	AMG042	AMG
Through which ma	aterial will magnetic lines of force pass the most	
A) Copper.		•
B) Iron.		
C) Aluminum.		
,		
14.	AMG031	AMG
Refer to General	figure 11.) Find the total current flowing in the w	ire between points C and D.
A) 6.0 amperes.		
B) 2.4 amperes.		
C) 3.0 amperes.		
15.	AMG015	AMG
•	figure 13.) Determine the total current flow in the	e circuit.
A) 0.2 ampere.		
3) 1.4 amperes.		
C) 0.8 ampere.		
16.	AMG031	AMG
	to express electrical power?	AWO
A) Volt.	to express electrical power:	
3) Watt.		
C) Ampere.		
<i>5, 7</i> ((1) <b>)</b> (1)		
17.	AMG015	AMG

	rating resistance of a 30-watt light bulb designed	for a 28-volt system?
A) 1.07 ohms.		
B) 26 ohms.		
C) 0.93 ohm.		
18.	AMG015	AMG
Which is correct	in reference to electrical resistance?	
•	I devices will have the same combined resistand connected in parallel.	e if they are connected in series as
B) If one of three become greater.	e bulbs in a parallel lighting circuit is removed, th	e total resistance of the circuit will
,	device that has a high resistance will use more public he same applied voltage.	power than one with a low
19.	AMG015	AMG
	is required to furnish 192 watts to a parallel circ at is the value of each resistor?	uit consisting of three resistors of
20.	AMG015	AMG
The voltage drop	o in a circuit of known resistance is dependent o	n
A) the voltage of	f the circuit.	
B) only the resis amperage.	tance of the conductor, and does not change wit	th a change in either voltage or
C) the amperage	e of the circuit.	
21.	AMG031	AMG
	al figure 11.) Find the voltage across the 8-ohm	
B) 20.4 volts.		
C) 24 volts.		
22.	AMG031	AMG
A fully charged lebecause	ead acid battery will not freeze until extremely lo	w temperatures are reached
A) the acid is in	the plates, thereby increasing the specific gravity	y of the solution.
B) most of the a	cid is in the solution.	

23. AMG031 AMG			
The electrolyte of a nickel cadmium battery is highest when the battery is  A) in a fully charged condition.  B) in a discharged condition.			
C) under a no-load condition.			
24. AMG031 AMG  The purpose of providing a space underneath the plates in a lead acid battery's cell container is to A) allow for convection flow of the electrolyte in order to provide for cooling of the plates.  B) prevent sediment buildup from contacting the plates and causing a short circuit.  C) ensure that the electrolyte quantity ratio to the number of plates and plate area is adequate.			
25. AMG031 AMG In nickel cadmium batteries, a rise in cell temperature A) causes an increase in internal resistance. B) causes a decrease in internal resistance. C) increases cell voltage.			
26. AMG031 AMG			
If electrolyte from a lead-acid battery is spilled in the battery compartment, which procedure sho be followed?	uld		
A) Apply boric acid solution to the affected area followed by a water rinse.			
B) Rinse the affected area thoroughly with clean water.			
C) Apply sodium bicarbonate solution to the affected area followed by a water rinse.			
27. AMG031 AMG			
Which of the following statements is/are generally true regarding the charging of several aircraft batteries together?			
1. Batteries of different voltages (but similar capacities) can be connected in series with each other across the charger, and charged using the constant current method.			
2. Batteries of different ampere-hour capacity and same voltage can be connected in parallel with each other across the charger, and charged using the constant voltage method.			
3. Batteries of the same voltage and same ampere-hour capacity must be connected in series with each other across the charger, and charged using the constant current method.			
A) 3. B) 2 and 3.			
C) 1 and 2.			

28.	AMG031	AMG	
The end of charge	e voltage of a 19 cell nickel cadmium battery, me	easured while still on charge,	
A) must be 1.2 to	1.3 volts per cell.		
B) must be 1.4 vo	Its per cell.		
C) depends upon	its temperature and the method used for chargi	ng.	
29.	AMG031	AMG	
Which condition is battery?	s an indication of improperly torqued cell link cor	nnections of a nickel cadmium	
A) Light spewing a	at the cell caps.		
B) Toxic and corro	osive deposits of potassium carbonate crystals.		
C) Heat or burn m	arks on the hardware.		
30.	AMG015	AMG	
	figure 8.) With an ohmmeter connected into the		
A) 20 ohms.			
B) Infinite resistan	ice.		
C) 10 ohms.			
31.	AMG015	AMG	
The correct way to	connect a test voltmeter in a circuit is		
A) in series with a	unit.		
B) between the so	ource voltage and the load.		
C) in parallel with	a unit.		
32.	AMG015	AMG	
	figure 6.) If resistor R5 is disconnected at the ju		
what will the ohmr	•	inclient of 144 and 145 as shown,	
A) 2.76 ohms.			
B) 3 ohms.			
C) 12 ohms.			
22	AMG031	AMG	
33.			
A cabin entry light of 10 watts and a dome light of 20 watts are connected in parallel to a 30-volt source. If the voltage across the 10-watt light is measured, it will be			
A) equal to the vo	ltage across the 20-watt light.		
B) half the voltage across the 20-watt light.			

C) one-third of	the input voltage.	
34. .002KV equals A) 20 volts. B) 2.0 volts. C) .2 volt.	AMG015	AMG
35. (Refer to Gene given inputs? A) 1. B) 2. C) 3.	AMG015 ral figure 26.) Which of the logic gate output con	AMG aditions is correct with respect to the
A) Any input be B) Any input be	AMG015 ral figure 24.) Which statement concerning the ceing 1 will produce a 0 output. Fing 1 will produce a 1 output. Further to be 1 to produce a 1 output.	AMG depicted logic gate is true?
	AMG031 g of a solid state device will cause the device to zener breakdown.	AMG
A) emitter is po B) base is nega	AMG031 Insistor application, the solid state device is turner sitive with respect to the base. Insistive with respect to the emitter. It it is a sitive with respect to the emitter.	AMG ed on when the
39. (Refer to Gene A) inductor. B) resistor. C) capacitor.	AMG031 ral figure 17.) The electrical symbol represented	AMG at number 5 is a variable

40. (Refer to Ger A) 2. B) 1. C) 3.	AMG031 neral figure 21.) Which symbol represents	AMG a variable resistor?
A) close the IB) open the l	AMG015 neral figure 15.) The No. 7 wire is used to PUSH TO TEST circuit. JP indicator light circuit when the landing of the control of the landing of the landing of the landing.	
A) close the i B) open the c	AMG031 ritch or thermal protector, as used in an elector of the motoric integral fan circuit to allow cooling of the motoric circuit to ground.	otor.
-	AMG015 neral figure 16.) With power to the bus and any relays in the system are operating?	AMG I the fuel selector switched to the right hand
the landing g A) permit the B) prevent th	AMG015 neral figure 18.) The control valve switch nears are down to test circuit to operate. e warning horn from sounding when the the ground from the green light.	AMG nust be placed in the neutral position when arottles are closed.
-	AMG015 neral figure 19.) When the throttles are retained will not sound if an open occurs in wire	AMG arded with only the right gear down, the

46.	AMG015	AMG
(Refer to Genera circuit will	Il figure 20.) Troubleshooting an open circuit wit	h a voltmeter as shown in this
A) permit current	to flow and illuminate the lamp.	
B) create a low re	esistance path and the current flow will be great	er than normal.
C) permit the bat	tery voltage to appear on the voltmeter.	
47.	AMG015	AMG
(Refer to Genera hand tank is sele	Il figure 16.) What will be the effect if the PCO rected?	elay fails to operate when the left
A) The fuel press	sure crossfeed valve will not open.	
B) The fuel tank	crossfeed valve open light will illuminate.	
C) The fuel press	sure crossfeed valve open light will not illuminat	е.
48.	AMG015	AMG
(Refer to Genera	I figure 23.) If an open occurs at R1, the light	
A) cannot be turr	ned on.	
B) will not be affe	ected.	
C) cannot be turr	ned off.	
49.	AMG001	AMG
For sketching pu shapes; these inc	rposes, almost all objects are composed of one clude the	or some combination of six basic
A) angle, arc, line	e, plane, square, and circle.	
B) triangle, circle	, cube, cylinder, cone, and sphere.	
C) triangle, plane	e, circle, line, square, and sphere.	
50.	AMG001	AMG
` '	14 CFR Part 91, repairs to an aircraft skin shou n the permanent records.	ld have a detailed dimensional
(2) On occasion, a new design, or	a mechanic may need to make a simple sketch a modification.	of a proposed repair to an aircraft,
Regarding the ab	pove statements,	
A) only No. 1 is to	rue.	
B) only No. 2 is to	rue.	
C) both No. 1 and	d No. 2 are true.	
51.	AMG001	AMG

(Refer to General alterations?	figure 31.) What are the proper procedural step	os for sketching repairs and
A) 3, 1, 4, 2.		
B) 4, 2, 3, 1.		
C) 1, 3, 4, 2.		
52.	AMG001	AMG
What should be th A) Draw heavy gu	ne first step of the procedure in sketching an air uidelines.	craft wing skin repair?
B) Lay out the rep	pair.	
C) Block in the vie	ews.	
53.	AMG001	AMG
What is the class	of working drawing that is the description/depic	tion of a single part?
A) Installation dra	wing.	- 1
B) Assembly draw	ving.	
C) Detail drawing.		
54.	AMG014	AMG
•	figure 34.) What would be the minimum diamet of the clevis that would produce a machined sur	
A) 55/64 inch.		
B) 1 inch.		
C) 7/8 inch.		
55.	AMG014	AMG
In the reading of a components,	aircraft blueprints, the term 'tolerance', used in a	association with aircraft parts or
A) is the tightest p	permissible fit for proper construction and opera	tion of mating parts.
B) is the differenc acceptable.	e between extreme permissible dimensions tha	t a part may have and still be
C) represents the parts.	limit of galvanic compatibility between different	adjoining material types in aircraft
56.	AMG014	AMG
(1) A measureme stretches when the	nt should not be scaled from an aircraft print be ne print is made.	cause the paper shrinks or
(2) When a detail	drawing is made, it is carefully and accurately of	drawn to scale, and is dimensioned.
Regarding the abo	ove statements,	

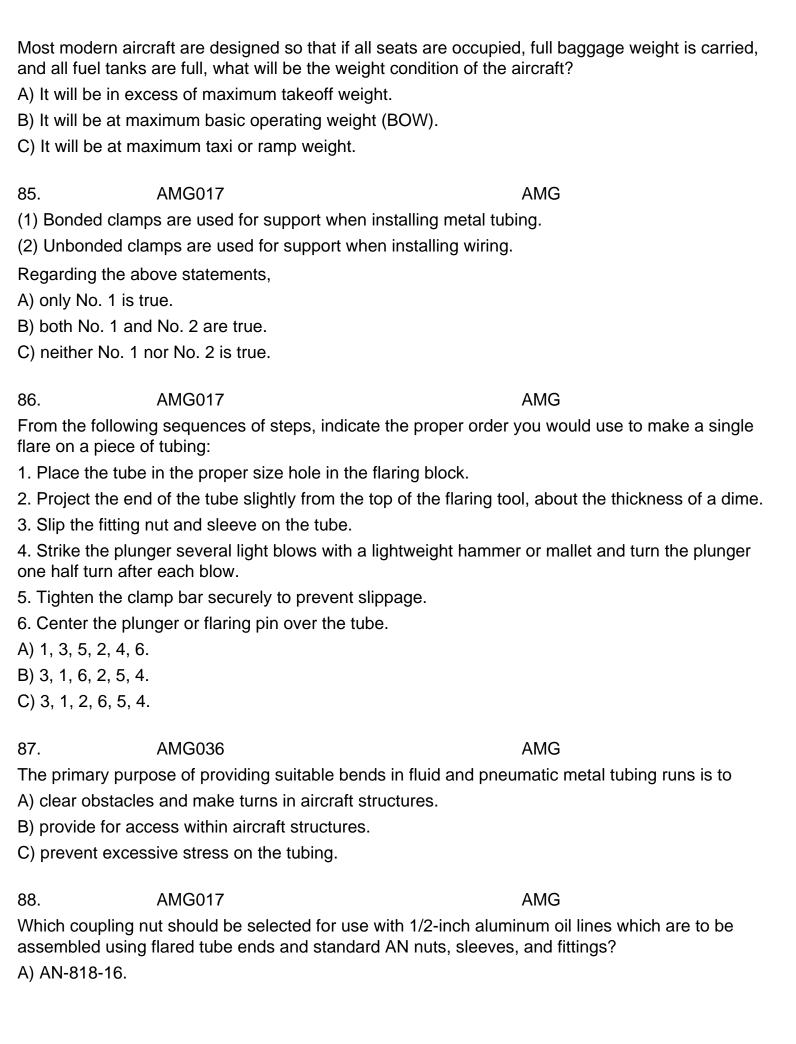
A) only No. 2 is	true.	
B) both No. 1 a	nd No. 2 are true.	
C) neither No.	1 nor No. 2 is true.	
<b>57</b>	AMC04.4	ANAC
57.	AMG014	AMG
A drawing in wi called	nich the subassemblies or pa	arts are shown as brought together on the aircraft is
A) an assembly	drawing.	
B) an installation	on drawing.	
C) a detail drav	ving.	
58.	AMG014	AMG
In what type of symbols?	electrical diagram are image	es of components used instead of conventional electrical
A) A pictorial di	agram.	
B) A schematic	diagram.	
C) A block diag	ram.	
59.	AMG013	AMG
(Refer to Gene view indicated I		c view of a typical aileron balance weight, identify the
A) 1.		
B) 3.		
C) 2.		
60.	AMG014	AMG
Which stateme	nt is true regarding an orthog	graphic projection?
A) There are al	ways at least two views.	
B) It could have	e as many as eight views.	
C) One view, tv	vo view, and three view drav	vings are the most common.
61.	AMG014	AMG
	•	indicate specific measured distances from the datum acturer, to points in or on the aircraft?
1. Zone numbe	rs.	
2. Reference n	umbers.	
3. Station numb	oers.	
A) 1 and 3.		
B) 3.		

C) 2.		
62.	AMG014	AMG
(1) Schematic dia	grams indicate the location of individual compor	ents in the aircraft.
(2) Schematic dia system.	grams indicate the location of components with	respect to each other within the
Regarding the ab	ove statements,	
A) only No. 1 is tr	ue.	
B) both No. 1 and	l No. 2 are true.	
C) only No. 2 is tr	ue.	
63.	AMG011	AMG
(Refer to General the temperature is	figure 40.) Determine the proper tension for a 3 s 87 °F.	/16-inch cable (7 x 19 extra flex) if
A) 135 pounds.		
B) 125 pounds.		
C) 140 pounds.		
64.	AMG015	AMG
•	figure 39.) Determine the minimum wire size of ent of 20 amperes 10 feet from the bus to the edult drop.	
A) No. 12.		
B) No. 14.		
C) No. 16.		
65.	AMG002	AMG
. •	the maximum forward loaded CG of an aircraft, be used for items of useful load that are located mit.	
B) forward CG lim		
C) datum.		
66.	AMG002	AMG
to +42.1 inches. F	ded weighs 4,954 pounds at a CG of +30.5 inchering the minimum weight of the ballast necessary tarm is +162 inches.	_
A) 61.98 pounds.		
B) 30.58 pounds.		

C) 57.16 pounds		
from the CG are	AMG002  n weigh 10 pounds and 5 pounds are placed in a 4 feet and 2 feet respectively. How far forward or ands, be placed so that the CG will not be change	f the CG should a third box,
A) it is necessary B) it is not neces	AMG002  Thit CG of an airplane lies within the empty weight  to calculate CG extremes.  sary to calculate CG extremes.  should be used in both forward and rearward CO	
standards (14 CFA) a part of the eB) a part of the u		s considered
A) much greater B) approximately	AMG002 single rotor helicopters is than for airplanes. the same as the CG range for airplanes. d than for airplanes.	AMG
found A) by adding the empty weight. B) in the Aircraft	AMG002 eight as used in weight and balance control of a weight of full fuel, pilot, passengers, and maximum Specification or Type Certificate Data Sheet. empty weight and payload.	-
72. An aircraft's LEM	AMG002 IAC and TEMAC are defined in terms of distance	AMG

A) from the da	tum.	
B) from each o	ther.	
C) ahead of ar	nd behind the wing center of lif	t, respectively.
73.	AMG002	AMG
		which an item located aft of the datum was removed,
use	ompatation of all allorate from	which all item located art of the datam was removed,
A) (-)weight X	(+)arm (-)moment.	
B) (-)weight X	(-)arm (+)moment.	
C) (+)weight X	(-)arm (-)moment.	
74.	AMG002	AMG
Which stateme	ent is true regarding helicopter	weight and balance?
	of internal or external loading	, lateral axis cg control is ordinarily not a factor in
B) The momer	nt of tail-mounted components	is subject to constant change.
C) Weight and	balance procedures for airpla	nes generally also apply to helicopters.
75.	AMG002	AMG
Use of which o	of the following generally yields	the highest degree of aircraft leveling accuracy?
A) Electronic lo	oad cell(s).	
B) Spirit level(s	s).	
C) Plumb bob	and chalk line.	
76.	AMG003	AMG
Zero fuel weigl	ht is the	
A) dry weight p	plus the weight of full crew, pas	ssengers, and cargo.
B) basic opera	ting weight without crew, fuel,	and cargo.
C) maximum p	ermissible weight of a loaded	aircraft (passengers, crew, and cargo) without fuel.
77.	AMG002	AMG
What type of m	neasurement is used to design	ate the arm in weight and balance computation?
A) Distance.		
B) Weight.		
C) Weight x dis	stance.	
78.	AMG002	AMG
The useful load	d of an aircraft consists of the	

A) crew, us	able fuel, passengers, and car	go.
B) crew, us	able fuel, oil, and fixed equipm	ent.
C) crew, pa	ssengers, usable fuel, oil, carg	o, and fixed equipment.
79.	AMG002	AMG
	mines whether the value of a might and balance?	noment is preceded by a plus (+) or a minus (-) sign in
A) The loca	tion of the weight in reference	to the datum.
B) The resu	ılt of a weight being added or re	emoved and its location relative to the datum.
C) The loca	tion of the datum in reference	to the aircraft CG.
80.	AMG002	AMG
What shoul	d be clearly indicated on the ai	rcraft weighing form?
A) Minimum	n allowable gross weight.	
B) Weight c	of unusable fuel.	
C) Weighin	g points.	
81.	AMG002	AMG
What tasks	are completed prior to weighin	g an aircraft to determine its empty weight?
A) Remove	all items except those on the a	aircraft equipment list; drain fuel and hydraulic fluid.
B) Remove	all items on the aircraft equipm	nent list; drain fuel, compute oil and hydraulic fluid weight.
C) Remove	all items except those on the a	aircraft equipment list; drain fuel and fill hydraulic reservoir
82.	AMG003	AMG
If it is neces scale readir		ull fuel tanks, all fuel weight must be subtracted from the
<ul><li>A) except m</li></ul>	ninimum fuel.	
B) including	g unusable fuel.	
C) except u	nusable fuel.	
83.	AMG002	AMG
balance rec	cords become lost, destroyed, o	pty weight of an aircraft if the aircraft's weight and or otherwise inaccurate?
	ing the aircraft.	
,	licable Aircraft Specification or	
C) The app	licable flight manual or pilot's o	perating handbook.
84.	AMG003	AMG



89. AMG036 In most aircraft hydraulic systems, two piece tube connectors consisting of a sleeve and a nut are used when a tubing flare is required. The use of this type connector eliminates A) the flaring operation prior to assembly. B) the possibility of reducing the flare thickness by wiping or ironing during the tightening process. C) wrench damage to the tubing during the tightening process.  90. AMG017 AMG Which of the following statements is/are correct in reference to flare fittings? 1. AN fittings have an identifying shoulder between the end of the threads and the flare cone. 2. AC and AN fittings are considered identical except for material composition and identifying colors. 3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1. B) 1 and 3. C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps? A) 2024-T or 5052-0 aluminum alloy. B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	B) AN-818-8.		
In most aircraft hydraulic systems, two piece tube connectors consisting of a sleeve and a nut are used when a tubing flare is required. The use of this type connector eliminates  A) the flaring operation prior to assembly.  B) the possibility of reducing the flare thickness by wiping or ironing during the tightening process.  C) wrench damage to the tubing during the tightening process.  90. AMG017 AMG  Which of the following statements is/are correct in reference to flare fittings?  1. AN fittings have an identifying shoulder between the end of the threads and the flare cone.  2. AC and AN fittings are considered identical except for material composition and identifying colors.  3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1.  B) 1 and 3.  C) 1, 2, and 3.  91. AMG042 AMG  Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps?  A) 2024-T or 5052-0 aluminum alloy.  B) Corrosion resistant steel annealed or 1/4H.  C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG  Flexible hose used in aircraft systems is classified in size according to the A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	C) AN-818-5.		
In most aircraft hydraulic systems, two piece tube connectors consisting of a sleeve and a nut are used when a tubing flare is required. The use of this type connector eliminates  A) the flaring operation prior to assembly.  B) the possibility of reducing the flare thickness by wiping or ironing during the tightening process.  C) wrench damage to the tubing during the tightening process.  90. AMG017 AMG  Which of the following statements is/are correct in reference to flare fittings?  1. AN fittings have an identifying shoulder between the end of the threads and the flare cone.  2. AC and AN fittings are considered identical except for material composition and identifying colors.  3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1.  B) 1 and 3.  C) 1, 2, and 3.  91. AMG042 AMG  Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps?  A) 2024-T or 5052-0 aluminum alloy.  B) Corrosion resistant steel annealed or 1/4H.  C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG  Flexible hose used in aircraft systems is classified in size according to the A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	89.	AMG036	AMG
B) the possibility of reducing the flare thickness by wiping or ironing during the tightening process. C) wrench damage to the tubing during the tightening process.  90. AMG017 AMG Which of the following statements is/are correct in reference to flare fittings? 1. AN fittings have an identifying shoulder between the end of the threads and the flare cone. 2. AC and AN fittings are considered identical except for material composition and identifying colors. 3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1. B) 1 and 3. C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps? A) 2024-T or 5052-0 aluminum alloy. B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	In most aircraft hy	draulic systems, two piece tube connectors con	sisting of a sleeve and a nut are
C) wrench damage to the tubing during the tightening process.  90. AMG017 AMG Which of the following statements is/are correct in reference to flare fittings?  1. AN fittings have an identifying shoulder between the end of the threads and the flare cone.  2. AC and AN fittings are considered identical except for material composition and identifying colors.  3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1.  B) 1 and 3.  C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps?  A) 2024-T or 5052-0 aluminum alloy.  B) Corrosion resistant steel annealed or 1/4H.  C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	A) the flaring oper	ation prior to assembly.	
90. AMG017 AMG Which of the following statements is/are correct in reference to flare fittings?  1. AN fittings have an identifying shoulder between the end of the threads and the flare cone.  2. AC and AN fittings are considered identical except for material composition and identifying colors.  3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1.  B) 1 and 3.  C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps?  A) 2024-T or 5052-0 aluminum alloy.  B) Corrosion resistant steel annealed or 1/4H.  C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	B) the possibility of	of reducing the flare thickness by wiping or ironing	ng during the tightening process.
Which of the following statements is/are correct in reference to flare fittings?  1. AN fittings have an identifying shoulder between the end of the threads and the flare cone.  2. AC and AN fittings are considered identical except for material composition and identifying colors.  3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1.  B) 1 and 3.  C) 1, 2, and 3.  91. AMG042 AMG  Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps?  A) 2024-T or 5052-0 aluminum alloy.  B) Corrosion resistant steel annealed or 1/4H.  C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG  Flexible hose used in aircraft systems is classified in size according to the A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	C) wrench damag	e to the tubing during the tightening process.	
1. AN fittings have an identifying shoulder between the end of the threads and the flare cone. 2. AC and AN fittings are considered identical except for material composition and identifying colors. 3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1.  B) 1 and 3.  C) 1, 2, and 3.  91. AMG042 AMG  Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps?  A) 2024-T or 5052-0 aluminum alloy.  B) Corrosion resistant steel annealed or 1/4H.  C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG  Flexible hose used in aircraft systems is classified in size according to the A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	90.	AMG017	AMG
2. AC and AN fittings are considered identical except for material composition and identifying colors. 3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1. B) 1 and 3. C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps? A) 2024-T or 5052-0 aluminum alloy. B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	Which of the follow	wing statements is/are correct in reference to fla	re fittings?
3. AN fittings are generally interchangeable with AC fittings of compatible material composition A) 1. B) 1 and 3. C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps? A) 2024-T or 5052-0 aluminum alloy. B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	1. AN fittings have	an identifying shoulder between the end of the	threads and the flare cone.
A) 1. B) 1 and 3. C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps? A) 2024-T or 5052-0 aluminum alloy. B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	2. AC and AN fitting	ngs are considered identical except for material	composition and identifying colors.
B) 1 and 3. C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps? A) 2024-T or 5052-0 aluminum alloy. B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	3. AN fittings are	generally interchangeable with AC fittings of con	npatible material composition
C) 1, 2, and 3.  91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps? A) 2024-T or 5052-0 aluminum alloy. B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	A) 1.		
91. AMG042 AMG Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps? A) 2024-T or 5052-0 aluminum alloy. B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	B) 1 and 3.		
Which tubings have the characteristics (high strength, abrasion resistance) necessary for use in a high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps?  A) 2024-T or 5052-0 aluminum alloy.  B) Corrosion resistant steel annealed or 1/4H.  C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG  Flexible hose used in aircraft systems is classified in size according to the  A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	C) 1, 2, and 3.		
high pressure (3,000 PSI) hydraulic system for operation of landing gear and flaps?  A) 2024-T or 5052-0 aluminum alloy.  B) Corrosion resistant steel annealed or 1/4H.  C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG  Flexible hose used in aircraft systems is classified in size according to the  A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	91.	AMG042	AMG
B) Corrosion resistant steel annealed or 1/4H. C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	•	· · ·	· · · · · · · · · · · · · · · · · · ·
C) 1100-1/2H or 3003-1/2H aluminum alloy.  92. AMG037 AMG  Flexible hose used in aircraft systems is classified in size according to the A) outside diameter. B) wall thickness. C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	A) 2024-T or 5052	2-0 aluminum alloy.	
92. AMG037 AMG  Flexible hose used in aircraft systems is classified in size according to the A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	B) Corrosion resis	stant steel annealed or 1/4H.	
Flexible hose used in aircraft systems is classified in size according to the A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	C) 1100-1/2H or 3	3003-1/2H aluminum alloy.	
A) outside diameter.  B) wall thickness.  C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	92.	AMG037	AMG
B) wall thickness. C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	Flexible hose use	d in aircraft systems is classified in size accordir	ng to the
C) inside diameter.  93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	A) outside diamet	er.	
93. AMG017 AMG  The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	B) wall thickness.		
The material specifications for a certain aircraft require that a replacement oil line be fabricated from 3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	C) inside diamete	r.	
3/4-inch 0.072 5052-0 aluminum alloy tubing. What is the inside dimension of this tubing?	93.	AMG017	AMG
A) 0.606 inch.		•	
	A) 0.606 inch.		
B) 0.688 inch.	B) 0.688 inch.		
C) 0.750 inch.	C) 0.750 inch.		

94.	AMG036	AMG
The best tool to	o use when cutting aluminum tubi	ng, or any tubing of moderately soft metal is a
A) hand opera	ted wheel-type tubing cutter.	
B) fine-tooth ha	acksaw.	
C) circular-saw	equipped with an abrasive cuttin	g wheel.
95.	AMG010	AMG
•	ne marked with the letters PHDA	
	•	ne for normal and emergency system use.
•	y a hazardous substance.	
C) a pneumation	c or hydraulic system drain or disc	charge line.
96.	AMG010	AMG
	ent is true regarding the variety of tly used on aircraft plumbing lines	symbols utilized on the identifying color-code bands s?
	e composed of various single colo	
B) Symbols are	e always black against a white ba	ckground regardless of line content.
C) Symbols are	e composed of one to three contra	asting colors according to line content.
97.	AMG036	AMG
In a metal tubii		
, 0	t line runs are preferable.	
•	·	n will cause it to expand and shift.
C) a tube may	be pulled in line if the nut will star	t on the threaded coupling.
98.	AMG037	AMG
	nust be installed with	, <b>.</b>
	ck to allow maximum flexing durin	g operation.
,	t least 10 to 12 percent of the leng	
•	to 8 percent of the length.	<b>,.</b>
,		
99.	AMG036	AMG
A scratch or ni	ck in aluminum tubing can be repa	aired provided it does not
A) appear in th	e heel of a bend.	
B) appear on t	he inside of a bend.	
C) exceed 10 p	percent of the tube OD on a straig	ht section.
100.	AMG036	AMG
	• • • •	

Hydraulic tubing, which may be repaired	h is damaged in a localized area to such an e	xtent that repair is necessary,
A) by cutting out the da	amaged area and utilizing a swaged tube fittir	ng to join the tube ends.
, ,	e that tubing section run (connection to conne	•
C) by cutting out the da	amaged section and soldering in a replaceme	ent section of tubing.
101.	AMG036	AMG
	generally associated with	
,	mperature gasses or liquids flowing in hose of	or tubing.
•	natural or synthetic rubber hose material.	
C) flexibility characteris	stics of various hose materials at low ambient	t temperatures.
102.	AMG017	AMG
Generally speaking, bo	olt grip lengths should be	
A) one and one half tin	nes the thickness of the material which is fast	ened together.
B) equal to the thickne diameter.	ess of the material which is fastened together,	plus approximately one
	ess of the material which is fastened together.	
, 1	3	
103.	AMG017	AMG
(Refer to General figur	e 43.) Identify the clevis bolt illustrated.	
A) 1.		
B) 3.		
C) 2.		
104.	AMG017	AMG
-		AIVIG
_	sed dash on the head is classified as an	
A) AN corrosion resista		
B) NAS standard aircra		
C) NAS close tolerance	e Doil.	
105.	AMG017	AMG
Where is an AN clevis	bolt used in an airplane?	
A) For tension and she	ear load conditions.	
B) Where external tens		
C) Only for shear load	• •	
400	AMC047	A.N.C.
106.	AMG017	AMG

Aircraft bolts are us	sually manufactured with a	
A) class 1 fit for the	e threads.	
B) class 2 fit for the	e threads.	
C) class 3 fit for the	e threads.	
107.	AMG017	AMG
(Refer to General fi resistant steel bolt?	igure 42.) Which of the bolthead code ma	rkings shown identifies an AN corrosion
A) 1.		
B) 2.		
C) 3.		
108.	AMG019	AMG
The aluminum code	e number 1100 identifies what type of alui	minum?
A) Aluminum alloy	containing 11 percent copper.	
B) Aluminum alloy	containing zinc.	
C) 99 percent com	mercially pure aluminum.	
109.	AMG019	AMG
numerical index sys designating chromi	omotive Engineers (SAE) and the America stem to identify the composition of various um molybdenum steel, the first digit indicate he basic element in the alloy.	s steels. In the number '4130'
	arbon in the alloy in hundredths of a perce	ant
C) basic alloying el	·	ли.
110.	AMG017	AMG
A) clean, dry thread		aft nuts and bolts relate to
B) clean, lightly oile C) both dry and ligh		
111.	AMG017	AMG
How is the locking	feature of the fiber type locknut obtained?	,
A) By the use of an	unthreaded fiber locking insert.	
	held firmly in place at the base of the load hreads in the fiber insert slightly smaller th	
112.	AMG017	AMG

A fiber type, self lockin	g nut must never be used on an aircraft if the	e bolt is
A) under shear loading	J.	
B) under tension loadir	ng.	
C) subject to rotation.		
113.	AMG024	AMG
	ction methods may be used on which of the f	
1. porous plastics.	,	
2. ferrous metals.		
3. nonferrous metals.		
4. smooth primer-seale	ed wood.	
5. nonporous plastics.		
A) 2, 3, 4.		
B) 1, 2, 3.		
C) 2, 3, 5.		
114.	AMG024	AMG
The testing medium the material that has	at is generally used in magnetic particle insp	ection utilizes a ferromagnetic
A) high permeability ar	nd low retentivity.	
B) low permeability and	d high retentivity.	
C) high permeability ar	nd high retentivity.	
115.	AMG024	AMG
	eted a bonded honeycomb repair using the pestructive testing method is used to determinged?	
A) Eddy current test.		
B) Metallic ring test.		
C) Ultrasonic test.		
116.	AMG024	AMG
How many of these fac	ctors are considered essential knowledge for	x ray exposure?
1. Processing of the file	m.	
2. Material thickness a	nd density.	
3. Exposure distance a	and angle.	
4. Film characteristics.		
A) One.		

B) Three. C) Four.		
A) Reweld the defectiv B) Remove all the old	AMG098 cting globules are found in a weld. What action e portions. weld, and reweld the joint. face smooth, inspect, and reweld all gaps/hole	
118. On a fillet weld, the perthickness? A) 100 percent. B) 25 to 50 percent. C) 60 to 80 percent.	AMG098 netration requirement includes what percenta	AMG ge(s) of the base metal
119. One characteristic of a from the weld of more A) 1/2 inch. B) 1 inch. C) 1/4 inch.	AMG098 good weld is that no oxide should be formed than	AMG on the base metal at a distance
A) So that accurate vis B) In order to gain fam	AMG098 maintenance technician be familiar with weld sual (pictorial) comparisons can be made. iliarity with the welding technique, filler materials welds with written (non-pictorial) description	al, and temperature range used.
121. (Refer to General figur A) Fillet. B) Butt. C) Lap.	AMG098 e 45.) What type weld is shown at A?	AMG
122. (Refer to General figur A) 3.	AMG098 e 44.) Select the illustration which depicts a c	AMG old weld.

B) 2. C) 4.		
123.	AMG019	AMG
	occurs when a mechanical force is repeatedly has rolling, hammering, or bending?	y applied to most metals at
1. The metals become	artificially aged.	
2. The metals become	stress corrosion cracked.	
3. The metals become	cold worked, strain or work hardened.	
A) 2.		
B) 1 and 3.		
C) 3.		
124.	AMG019	AMG
The reheating of a hea	t treated metal, such as with a welding torch	
A) has little or no effect	t on a metal's heat treated characteristics.	
B) can significantly alte	er a metal's properties in the reheated area.	
C) has a cumulative er	hancement effect on the original heat treatment	ent.
125.	AMG042	AMG
What is descriptive of t	he annealing process of steel during and afte	er it has been annealed?
A) Rapid cooling; high	strength.	
B) Slow cooling; low st	rength.	
C) Slow cooling; increa	ased resistance to wear.	
126.	AMG019	AMG
Which material cannot	be heat treated repeatedly without harmful el	ffects?
A) Unclad aluminum al	loy in sheet form.	
B) 6061-T9 stainless st	teel.	
C) Clad aluminum alloy	/.	
127.	AMG019	AMG
<del>-</del> -	eration would be performed when the surface ng a high carbide or nitride content?	e of the metal is changed
A) Tempering.		
B) Normalizing.		
C) Case hardening.		

128.	AMG024	AMG
A part which is bein	g prepared for dye penetrant inspection shou	ld be cleaned with
A) a volatile petrole	um base solvent.	
B) the penetrant de		
C) water base solve	•	
,	, , ,	
129.	AMG024	AMG
In performing a dye	penetrant inspection, the developer	
A) seeps into a surf	ace crack to indicate the presence of a defec-	t.
B) acts as a blotter	to produce a visible indication.	
C) thoroughly clean	s the surface prior to inspection.	
130.	AMG024	AMG
The pattern for an in	nclusion is a magnetic particle buildup forming	
A) a fernlike pattern	).	
B) a single line.		
C) parallel lines.		
131.	AMG024	AMG
What two types of in	ndicating mediums are available for magnetic	particle inspection?
A) Iron and ferric ox	kides.	
B) Wet and dry prod	cess materials.	
C) High retentivity a	and low permeability material.	
132.	AMG024	AMG
	y be demagnetized after magnetic particle ins	
	art to high voltage, low amperage ac.	,
	e part out of an ac magnetic field of sufficient	strenath.
	e part into an ac magnetic field of sufficient st	
-, <b>,,</b>		
133.	AMG024	AMG
In magnetic particle causes	inspection, a flaw that is perpendicular to the	magnetic field flux lines generally
A) a large disruptior	n in the magnetic field.	
B) a minimal disrup	tion in the magnetic field.	
C) no disruption in t	the magnetic field.	
134.	AMG024	AMG

of a part can be used to detect which defect	s?
ne long axis of the part.	
ar to the long axis of the part.	
lar to the concentric circles of magnetic force	e within the part.
AMG024	AMG
e inspection, a part will be identified as havir	ng a fatigue crack under which
attern is straight.	
found in a nonstressed area of the part.	
found in a highly stressed area of the part.	
AMG019	AMG
methods may be suitable to use to detect cra castings?	acks open to the surface in
ction.	
spection.	
p) inspection.	
tion.	
٦.	
AMG057	AMG
d to measure the alignment of a rotor shaft o	r the plane of rotation of a disk?
AMG057	AMG
piston rings are measured with a	
gauge.	
AMG057	AMG
	ne long axis of the part. ar to the long axis of the part. ar to the concentric circles of magnetic force.  AMG024 e inspection, a part will be identified as havir  ttern is straight. found in a nonstressed area of the part. found in a highly stressed area of the part.  AMG019 methods may be suitable to use to detect cracastings?  ction. spection. p) inspection. tion.  AMG057 d to measure the alignment of a rotor shaft of  AMG057 piston rings are measured with a gauge.

What precision nound wear?	neasuring tool is used for measu	ring crankpin and main bearing journals for out of
A) Dial gauge.		
B) Micrometer ca	aliper.	
C) Depth gauge.		
140.	AMG057	AMG
What may be us	ed to check the stem on a poppe	t-type valve for stretch?
A) Dial indicator.		
B) Micrometer.		
C) Telescoping (	gauge.	
141.	AMG057	AMG
How can the dim	nensional inspection of a bearing	in a rocker arm be accomplished?
A) Depth gauge	and micrometer.	
3) Thickness ga	uge and push-fit arbor.	
C) Telescopic ga	auge and micrometer.	
142.	AMG057	AMG
Which number re	epresents the vernier scale gradu	uation of a micrometer?
۹) .00001.		
3) .001.		
C) .0001.		
143.	AMG057	AMG
Refer to Genera	al figure 48.) What does the micro	ometer read?
۹) .2974.		
3) .3004.		
C) .3108.		
144.	AMG057	AMG
Refer to Genera	al figure 49.) The measurement r	eading on the micrometer is
A) .2758.		
3) .2702.		
C) .2792.		
145.	AMG040	AMG
What must acco	mpany fuel vaporization?	

<ul><li>A) An absorption of he</li></ul>	at.	
B) A decrease in vapo	r pressure.	
C) A reduction in volur	ne.	
146. A fuel that vaporizes to A) hard starting. B) detonation. C) vapor lock.	AMG040 oo readily may cause	AMG
147. The main differences be A) volatility and lead co B) volatility, lead conte C) lead content and co	ent, and color.	AMG
A) retard the formation	e's performance in the engine.	AMG
149. How are aviation fuels A) According to the mil B) By reference to nori C) By performance nui	mal heptane.	AMG nan 100 octane, classified?
150. The color of 100LL fue A) blue. B) colorless or straw. C) red.	AMG040 el is	AMG
•	AMG045 ircraft in the cockpit to watch for obstructions. stationed at the nose, each wingtip, and the e	AMG empennage at all times.

C) a person should be	in the cockpit to operate the brakes.	
<ul><li>152.</li><li>When first starting to n</li><li>A) test the brakes.</li><li>B) closely monitor the</li><li>C) notify the control to</li></ul>		AMG
A) upwind aileron shou B) upwind aileron shou	AMG045 ne with a quartering tailwind, the elevators ar uld be held in the up position. uld be held in the down position. d be kept in the neutral position.	AMG nd
running in order to avo A) the tail rotor. B) the main rotor.	AMG045  each or leave a helicopter in the pilot's field of bid  eris caused by rotor downwash.	AMG vision whenever the engine is
The priming of a fuel in control lever in the  A) IDLE CUTOFF position  B) AUTO RICH position  C) FULL RICH position	n.	AMG plished by placing the fuel
<ol> <li>Manila (hemp) rope</li> <li>Nylon or dacron rop</li> <li>The aircraft should be</li> </ol>	AMG045 are true regarding tiedown of small aircraft? has a tendency to stretch when it gets wet. e is preferred to manila rope. be headed downwind in order to eliminate or element or tailwheel unlocked.	AMG minimize wing lift.

157.	AMG045	AMG
Which of the following fire?	g is the most satisfactory extinguishing agent t	for use on a carburetor or intake
A) Dry chemical.		
B) A fine, water mist.		
C) Carbon dioxide.		
158.	AMG045	AMG
If a radial engine has through at least two re	been shut down for more than 30 minutes, the evolutions to	e propeller should be rotated
A) check for hydraulic	clock.	
B) check for leaks.		
C) prime the engine.		
159.	AMG094	AMG
How is a flooded engi	ne, equipped with a float type carburetor, clea	ared of excessive fuel?
<i>'</i>	vith the starter or by hand, with the mixture copen, until the fuel charge has been cleared.	entrol in cutoff, ignition switch off,
B) Turn off the fuel an cleared.	nd the ignition. Discontinue the starting attemp	ot until the excess fuel has
,	with the starter or by hand, with the mixture copen, until the excess fuel has cleared or until	
160.	AMG045	AMG
Generally, when an in action should be to	nduction fire occurs during starting of a recipro	ocating engine, the first course of
A) discharge carbon of	dioxide from a fire extinguisher into the air inta	ake of the engine.
B) continue cranking	and start the engine if possible.	
C) close the throttle.		
161.	AMG095	AMG
Which of the following or attempting to start	g conditions has the most potential for causing a turbine engine?	g engine damage when starting
A) Hung start.		
B) Cold start.		
C) Hot start.		
162.	AMG040	AMG
What effect, if any, wi	Il aviation gasoline mixed with jet fuel have or	a turbine engine?

<ul><li>A) No appreciable</li></ul>	e effect.	
B) The tetraethyl I	ead in the gasoline forms depo	sits on the turbine blades.
C) The tetraethyl I	ead in the gasoline forms depo	sits on the compressor blades.
163.	AMG009	AMG
•	why ordinary or otherwise nonacraft is because their use can re	approved cleaning compounds should not be used esult in
A) hydrogen embr	rittlement in metal structures.	
B) hydrogen embr	rittlement in nonmetallic materia	als.
C) a general inabi	lity to remove compound residu	Jes.
164.	AMG009	AMG
Which of the follow	wing are acceptable to use whe	en utilizing chemical cleaning agents on aircraft?
1. Synthetic fiber v	wiping cloths when using a flan	nmable agent.
2. Cotton fiber wip	ping cloths when using a flamm	able agent.
3. Atomizing spray	y equipment.	
A) 2 and 3.		
B) 2.		
C) 1.		
165.	AMG009	AMG
When an anodize	d surface coating is damaged i	n service, it can be partially restored by
A) applying a thin	coat of zinc chromate primer.	
B) chemical surfac	ce treatment.	
C) use of a suitab	le mild cleaner.	
166.	AMG009	AMG
Fayed surfaces ca A) forming passive	ause concern in chemical clean	ing because of the danger of
B) entrapping corr		
	nbedded iron oxide.	
167.	AMG012	AMG
	of intergranular corrosion is	7 11110
A) improper heat t		
B) dissimilar meta		
C) improper applic		
, 1L	- 1	

168.	AMG012	AMG
Spilled mercury on alu	minum	
A) greatly increases su	usceptibility to hydrogen embrittlement.	
B) may cause impaired	d corrosion resistance if left in prolonged cont	act.
	evere corrosion that is very difficult to control.	
,	·	
169.	AMG012	AMG
Fretting corrosion is m	ost likely to occur	
A) when two surfaces	fit tightly together but can move relative to one	e another.
B) only when two dissi	milar metals are in contact.	
C) when two surfaces	fit loosely together and can move relative to c	ne another.
470	AMO040	ANAO
170.	AMG012	AMG
	nditions is NOT one of the requirements for co	rrosion to occur?
A) The presence of an	•	
,	etween an anodic area and a cathodic area.	
C) The presence of a p	passive oxide film.	
171.	AMG009	AMG
Which of the following aluminum alloy parts of	may not be detectable even by careful visual or structures?	inspection of the surface of
A) Filiform corrosion.		
B) Intergranular corros	sion.	
C) Uniform etch corros	sion.	
172.	AMG012	AMG
Which of these materia	als is the most cathodic?	
A) Zinc.		
B) 2024 aluminum allo	V.	
C) Stainless steel.	,	
,		
173.	AMG009	AMG
What should be done to	to prevent rapid deterioration when oil or grea	se come in contact with a tire?
A) Wipe the tire thorou	ighly with a dry cloth, and then rinse with clea	n water.
B) Wipe the tire with a	dry cloth followed by a washdown and rinse v	with soap and water.
C) Wipe the tire with a	cloth dampened with aromatic naphtha and t	hen wipe dry with a clean cloth.
174	<b>AMC012</b>	AMC
174.	AMG012	AMG

What may be us	sed to remove corrosion from high	nly stressed steel surfaces?
A) Steel wire br	ushes.	
B) Fine grit alun	ninum oxide.	
C) Medium grit	carborundum paper.	
175.	AMG012	AMG
•	ant not to rotate the crankshaft afes on engines prepared for storage	ter the corrosion preventive mixture has been put e?
A) Engine dama	age can occur from hydraulic lock	
B) Fuel may be mixture.	drawn into one or more cylinders	and dilute or wash off the corrosion preventive
C) The seal of c	corrosion preventive mixture will b	e broken.
176.	AMG012	AMG
One way of obta	aining increased resistance to stre	ess corrosion cracking is by
A) relieving com	pressive stresses (via heat treatr	nent) on the metal surface.
B) creating com	pressive stresses (via shot peeni	ng) on the metal surface.
C) producing no	onuniform deformation while cold	working during the manufacturing process.
177.	AMG012	AMG
A nonelectrolytic bonding qualitie		n alloys to increase corrosion resistance and paint
A) anodizing.		
B) alodizing.		
C) dichromating	J.	
178.	AMG044	AMG
(Refer to Gener	al figure 56.) Compute the area o	f the trapezoid.
A) 24 square fe	et.	
B) 48 square fe	et.	
C) 10 square fe	et.	
179.	AMG044	AMG
What is the pistonstroke of 4 inches		der with a 1.5-inch diameter bore and a piston
A) 9.4247 cubic	inches.	
B) 7.0686 cubic	inches.	
C) 6.1541 cubic	inches.	

180.	AMG044	AMG
piston on bottom cente	engine has a cylinder bore of 3.78 inches and er, the top of the piston measures 4.0 inches for the piston displacement of this engine?	• • • • • • • • • • • • • • • • • • •
181.	AMG055	AMG
What force is exerted of inches and the fluid press. A) 1,020 pounds. B) 960 pounds. C) 850 pounds.	on the piston in a hydraulic cylinder if the area	of the piston is 1.2 square
182.	AMG044	AMG
What size sheet of met	tal is required to fabricate a cylinder 20 inches	s long and 8 inches in diameter?
(Note: $C = pi \times D$ )		
A) 20 inches x 25-5/32	inches.	
B) 20 inches x 24-9/64	inches.	
C) 20 inches x 25-9/64	inches.	
183.	AMG044	AMG
-	uel tank measures 27-1/2 inches in length, 3/allons will the tank contain?	4 foot in width, and 8-1/4 inches
184.	AMG044	AMG
(Refer to the figure 71.	) What is the volume of a sphere with a radius	s of 4.5 inches?
A) 47.71 cubic inches		
B) 381.7 square inches	S	
C) 381.7 cubic inches		
185.	AMG053	AMG
Which of the figures is A) 1.	using scientific notation?	

<ul><li>B) 2.</li><li>C) both 1 and 2.</li></ul>		
186. (Refer to the figure 69. A) 12. B) 60. C) 76.	AMG053 ) Solve the equation.	AMG
187. (Refer to the figure 70. A) 1. B) 2. C) 3.	AMG053 ) Which alternative answer is equal to 5.59?	AMG
188. Find the square root of A) 111.8 x 10 to the thi B) .1118 x 10 to the ne C) 1,118 x 10 to the ne	ird power. egative second power.	AMG
189. (Refer to General figur A) 11.9 B) 11.7 C) 11.09	AMG053 e 60.) Solve the equation.	AMG
190. (Refer to General figur A) +31.25 B) -5.20 C) -31.25	AMG053 e 59.) Solve the equation.	AMG
	AMG053 tain part is 1100 hours. Recently, 15 of these n average life of 835.3 hours. What percent o	-

<ul><li>B) 76.9 percent.</li><li>C) 75.0 percent.</li></ul>			
192.	AMG053	AMG	
If the volume of a cylind displacement is 70 cub. A) 7:1.	der with the piston at bottom center is 84 cub bic inches, then the compression ratio is		
B) 1.2:1.			
C) 6:1.			
193.	AMG053	AMG	
An airplane flying a dis need to travel 2,500 mi A) 200.	tance of 750 miles used 60 gallons of gasolir iles?	ne. How many gallons will it	
B) 31,250.			
C) 9,375.			
194.	AMG053	AMG	
How much current doe bus?	s a 30-volt 1/2-horsepower motor that is 85-p	percent efficient draw from the	
(Note: 1 horsepower =	746 watts)		
A) 14.6 amperes.			
B) 12.4 amperes.			
C) 14.3 amperes.			
195.	AMG028	AMG	
What is the status of daservice?	ata used as a basis for approving major repai	irs or alterations for return to	
A) Data must be least I	FAA-acceptable when it is used for that purpo	ose.	
B) Data must be FAA-a	approved prior to its use for that purpose.		
C) Data may be FAA-a	pproved after its use for that purpose.		
196.	AMG082	AMG	
•	provided a list of discrepancies on an aircraft ual inspection. Which of the following statemed ancies?	• •	
1. Only a mechanic wit	h an inspection authorization.		
2. An appropriately rate	ed mechanic.		
3. Any certificated repa	3. Any certificated repair station.		

A) 1.		
B) 2 .		
C) 2 & 3.		
197.	AMG082	AMG
A certificated mech Form 337 is doing v	anic without an inspection authorization www.what?	who signs the appropriate block on FAA
A) Certifying that th	e work was done in accordance with the i	requirements of 14 CFR part 43.
B) Approving the w	ork for return to service.	
C) Certifying the ma	aintenance information used as FAA-appr	roved data.
198.	AMG023	AMG
An FAA Form 337 i	s used to record and document	
A) preventive and u	inscheduled maintenance, and special ins	spections.
B) major and minor	repairs, and major and minor alterations.	
C) major repairs an	d major alterations.	
199.	AMG022	AMG
In order to reconstreestablish?	uct lost or destroyed aircraft maintenance	records, what is it necessary to
A) Dates of all main	ntenance, preventive maintenance, and al	terations.
B) Dates and/or tim	nes of all 100-hour, annual, or progressive	inspections.
C) Total time-in-ser	vice of the airframe.	
200.	AMG076	AMG
What is/are the app	propriate action(s) concerning minor repair	rs performed on a certificated aircraft?
1. FAA Form 337's	must be completed.	
2. Entries must be r	made in the aircraft's maintenance record	
3. The owner of the	aircraft must submit a record of all minor	repairs to the FAA at least annually.
A) 1 and 2.		
B) 2.		
C) 2 and 3.		
201.	AMG076	AMG
-	d under part 91, which of the following red ork is repeated or superseded?	cords must be retained for at least one
A) Records of time	since overhaul of items requiring overhau	Il on a time specified basis.
•	tenance, alterations, preventive maintena	ince, 100-hour, annual, and
progressive inspect	แบบอ.	

C) Records of the currinspection.	ent inspection status of the aircraft, including	time since last required
202.	AMG086	AMG
	eturn to service after maintenance or alteration	n, the approving person must
•	nance or alteration was begun, a descriptioned, the name of the person performing the work.	•
	ference to acceptable data) of work performeing the work (if someone else), signature, and	•
	ference to acceptable data) of work performeng the work (if someone else), signature, cer	•
203.	AMG076	AMG
Where should you find	this entry?	
inches from tip in acco A) Aircraft engine mair	rom aircraft and removed skin from outer 6 feordance with figure 8 in the manufacturer's stantenance record.  r and alteration record.	
204.	AMG023	AMG
Which is an appliance	major repair?	
A) Overhaul of a hydra	aulic pressure pump.	
B) Repairs to a propel	ler governor or its control.	
C) Troubleshooting an	nd repairing broken circuits in landing light circ	cuits.
205.	AMG076	AMG
Where is the record of normally indicated?  A) FAA Form 337.	compliance with Airworthiness Directives or	manufacturers' service bulletins
B) Aircraft maintenand	e records.	
C) Flight manual.		
206.	AMG019	AMG
	ecord entry best describes the action taken for inch aluminum alloy tubing?	or a .125-inch deep dent in a
A) Dent within accepta	able limits, repair not necessary.	

•	•	identical new tubing flared to 45°. identical new tubing flared to 37°.
207.	AMG022	AMG
		nents for maintenance record format?
		nd includes the required information may be used.
		the aircraft must be retained.
•	ange from manufacturer pro	vided format requires approval from the Federal
208.	AMG076	AMG
For aircraft operate maintenance recor	-	craft total time required to be recorded in aircraft
A) After satisfactor	rily completing airframe, com	ponent, or propeller maintenance.
•	rily completing inspections.	
•	rily completing maintenance	preventive maintenance, rebuilding, and alteration
209.	AMG086	AMG
•		e satisfactorily, the signature of an authorized person or alterations performed constitutes
A) approval of the	aircraft for return to service.	
B) approval for ret	urn to service only for the wo	ork performed.
C) verification that maintenance data.		ons were performed referencing approved
210.	AMG099	AMG
In physics, which o	of the following factors are ne	ecessary to determine power?
1. Force exerted.		
2. Distance moved	l.	
3. Time required.		
A) 1 and 2.		
B) 2 and 3.		
C) 1, 2, and 3.		
211.	AMG027	AMG
	itions will the rate of flow of a factors being equal)?	a liquid through a metering orifice (or jet) be the
		sure, 17.5 PSI; atmospheric pressure, 14.5 PSI.

•	·	sure, 12 PSI; atmospheric pressure, 14.3 PSI. sure, 5 PSI; atmospheric pressure, 14.7 PSI.
212. The boiling point A) directly with pr B) inversely with pr C) directly with de	pressure.	AMG
213.	AMG055	AMG
An airplane wing	is designed to produce lift res	ulting from
A) positive air pre air.	essure below and above the w	ring's surface along with the downward deflection of
, .	essure below the wing's surfa	ice and positive air pressure above the wing's air.
,	essure below the wing's surfaction of a	ce and negative air pressure above the wing's air.
214.	AMG007	AMG
A wing with a ver	y high aspect ratio (in compar	ison with a low aspect ratio wing) will have
A) increased drag	g at high angles of attack.	
B) a low stall spe	ed.	
C) poor control qu	ualities at low airspeeds.	
215.	AMG007	AMG
Aspect ratio of a	wing is defined as the ratio of	the
A) wingspan to th	e wing root.	
B) square of the o	chord to the wingspan.	
C) wingspan to th	e mean chord.	
216.	AMG007	AMG
The speed of sou	and in the atmosphere is most	affected by variations in which of the following?
1. Sound frequen	cy (cps).	
2. Ambient tempe	erature.	
<ol><li>Barometric pre</li></ol>	ssure.	
A) 1.		
B) 2.		
C) 3.		

217.	AMG007	AMG
The purpose of aircraf	t wing dihedral is to	
A) increase lateral stal	bility.	
B) increase longitudina	al stability.	
C) increase lift coeffici	ent of the wing.	
218.	AMG007	AMG
If all, or a significant pa	art of a stall strip is missing on an airplane wi	ng, a likely result will be
•	e area of installation at high angles of attack.	
	al control at low angles of attack.	
C) asymmetrical latera	al control at or near stall angles of attack.	
219.	AMG027	AMG
	erning heat and/or temperature is true?	
	relationship between temperature and heat.	
•	neasure of the kinetic energy of the molecules	s of any substance.
C) Temperature is a m	neasure of the potential energy of the molecul	les of any substance.
220.	AMG027	AMG
•	confined liquid is held constant and its press	sure is tripled, the volume will
A) triple.		
•	third its original volume.	
C) remain the same.		
221.	AMG008	AMG
Which will weigh the le		
A) 98 parts of dry air a	and 2 parts of water vapor.	
B) 35 parts of dry air a	and 65 parts of water vapor.	
C) 50 parts of dry air a	and 50 parts of water vapor.	
222.	AMG099	AMG
How much work input table to the floor?	is required to lower (not drop) a 120-pound w	reight from the top of a 3-foot
A) 120 pounds of force	e.	
B) 360 foot-pounds.		
C) 40 foot-pounds.		
-		
223.	AMG048	AMG

What is the maintenan Directive?	nce recording responsibility of the person who	complies with an Airworthiness
A) Advise the aircraft of	owner/operator of the work performed.	
B) Make an entry in th	e maintenance record of that equipment.	
C) Advise the FAA dis	trict office of the work performed, by submitti	ng an FAA Form 337.
224.	AMG048	AMG
The action required by	an AD may take what form?	
1. Inspection.		
<ol><li>Part(s) replacement</li></ol>	i.	
<ol><li>Design modification</li></ol>		
4. Change in operating	g procedure(s).	
5. Overall change in th	ne content, form and disposition of aircraft ma	aintenance records.
A) 1, 2, 3, and/or 4.		
B) 1, 2, 3, and/or 5.		
C) 1, 2, 3, 4, and/or 5.		
225.	AMG048	AMG
How long are AD com	pliance records required to be kept?	
A) Until the work is rep	peated or superseded by other work.	
3) For one year after t work.	he work is performed, or until the work is rep	eated or superseded by other
C) They shall be retain	ned, and then transferred with the aircraft who	en it is sold.
226.	AMG025	AMG
When an airworthy (at	the time of sale) aircraft is sold, the Airworth	iness Certificate
A) becomes invalid un	til the aircraft is reinspected and approved fo	r return to service.
B) is voided and a nev	v certificate is issued upon application by the	new owner.
C) is transferred with t	he aircraft.	
227.	AMG052	AMG
Which of the following	includes all the regulatory definitions of "mai	ntenance"?
A) Overhaul, repair, pa	arts replacement, and preservation, and prev	entive maintenance.
3) Overhaul, repair, pa	arts replacement, preservation, inspection, ar	nd preventive maintenance.
C) Overhaul, repair, pa	arts replacement, inspection, and preservation	n.
228.	AMG026	AMG
The Air Transport Ass	ociation of America (ATA) Specification No. 1	100

(1) establishes a	a standard for the presentat	ion of technical data in maintenance manuals.
(2) divides the a	<u> </u>	ms and subsystems in order to simplify locating
	bove statements,	
,	nd No. 2 are true.	
•	nor No. 2 is true.	
C) only No. 1 is	true.	
229.	AMG048	AMG
(1) Propellers a	e NOT included in the Airw	orthiness Directive system.
(2) A certificated approve for retu		make a minor repair on an aluminum propeller and
Regarding the a	bove statements,	
A) only No. 2 is	true.	
B) both No. 1 ar	nd No. 2 are true.	
C) neither No. 1	nor No. 2 is true.	
230.	AMG028	AMG
(1) The Federal Supplemental T	•	e approval after compliance with the data of a
` '		in accordance with the Technical Standard Order allation in a particular aircraft.
A) only No. 2 is	true.	
B) neither No. 1	nor No. 2 is true.	
C) only No. 1 is	true.	
231.	AMG066	AMG
The issuance of	an Airworthiness Certificat	e is governed by
A) 14 CFR Part	23.	
B) 14 CFR Part	21.	
C) 14 CFR Part	39.	
232.	AMG054	AMG
What is the max mechanic test?	rimum penalty for cheating of	or other unauthorized conduct when taking an FAA
A) Ineligibility to	receive any certificate or ra	ating for one year.
B) Ineligibility to	receive any certificate or ra	ating for one year, and suspension or revocation of any
cortificate hold		

C) Ineligibility to receive any certificate or rating for one year, and suspension of any certificate held.

233.	AMG014	AMG
(Refer to General figur number(s)?	e 62.) The -100 in the title block (Area 1) is a	pplicable to which doubler part
A) -101.		
B) -102.		
C) Both.		
234.	AMG004	AMG
before installation?  A) -101.	e 62, 62A, & 62B as necessary.) Which doub	ler(s) require(s) heat treatment
B) -102. C) Both.		
235.	AMG013	AMG
	e 62, 62A, & 62B as necessary.) How many percentage construction and installation of one doubler?	
236.	AMG021	AMG
•	ng to an aircraft model manufactured under a the FAA Aircraft Registry, can be found in the	•
,	tinued Aircraft Specifications.	
	dbook of Civil Aircraft Specifications.	
237.	AMG097	AMG
Placards required on a A) AC 43.13-1B.	n aircraft are specified in	
•	n Regulations under which the aircraft was typ	pe certificated.
C) Aircraft Specification	ns or Type Certificate Data Sheets.	
238.	AMG004	AMG
determined by reference	specific propeller with a particular engine airp ce to what informational source? ions or Propeller Type Certificate Data Sheet	

•	cifications or Aircraft Type Certif I Index of Current Propeller Type	icate Data Sheet. e Certificate Data Sheets, Specifications, and	
239.	AMG097	AMG	
	nnical descriptions of certificated		
	irworthiness Directives.	•	
B) Aircraft Spe			
-	pe Certificate Data Sheets.		
240.	AMG097	AMG	
A) Aircraft, eng B) Aircraft, eng	e Data Sheets are issued for whines, and propellers. ines, and appliances. ines, propellers, and appliances	ich of the following products?	
241.		AMG051	AMG
The following is	s a table of airspeed limits as given	ven in an FAA issued aircraft specification:	
Normal operati	ng speed	260 knots	
Never exceed s	speed	293 knots	
Maximum landi	ng gear operation speed	174 knots	
Maximum flap	extended speed	139 knots	
The high end o A) 260 knots. B) 293 knots. C) 139 knots.	f the white arc on the airspeed i	nstrument would be at	
A) The splicing	AMG079 fied as a major repair? of skin sheets.	AMG	
•	of new engine mounts obtained of damaged stressed metal skin.		
243.	AMG079	AMG	
•	nt of a damaged engine mount of a	with a new identical engine mount purchased	from
A) major or mir B) major repair	nor repair, depending upon the c	complexity of the installation.	

C) minor repair.

244. AMG082 AMG

A certificated mechanic shall not exercise the privileges of the certificate and rating unless, within the preceding 24 months, the Administrator has found that the certificate holder is able to do the work or the certificate holder has

- A) served as a mechanic under the certificate and rating for at least 18 months.
- B) served as a mechanic under the certificate and rating for at least 12 months.
- C) served as a mechanic under the certificate and rating for at least 6 months.

245. AMG082 AMG

Certificated mechanics, under their general certificate privileges, may

- A) perform minor repairs to instruments.
- B) perform 100-hour inspection of instruments.
- C) perform minor alterations to instruments.

246. AMG082 AMG

Certificated mechanics with a powerplant rating may perform

- A) any inspection required by the Federal Aviation Regulations on a powerplant or propeller or any component thereof, and may release the same to service.
- B) 100-hour and/or annual inspections required by the Federal Aviation Regulations on powerplants, propellers, or any components thereof, and may release the same to service.
- C) 100-hour inspections required by the Federal Aviation Regulations on powerplants, propellers, or any components thereof, and may release the same to service.

247. AMG082 AMG

FAA certificated mechanics may

- A) approve for return to service a major repair for which they are rated.
- B) supervise and approve a 100-hour inspection.
- C) approve for return to service a minor alteration they have performed appropriate to the rating(s) they hold.

248. AMG082 AMG

Which of the following statements is true for a certificated and appropriately rated mechanic regarding repairs and alterations?

- A) He/she may perform an airframe major repair or major alteration, but cannot approve the work for return to service.
- B) He/she may perform airframe minor repairs and minor alterations and approve the work for return to service, but cannot perform an airframe major repair or major alteration.

•	perform an airframe major reaft, for return to service.	epair or major alteration and approve the work, but not
249.	AMG067	AMG
~	the holder of a certificate iss permanent mailing address?	ued under 14 CFR part 65 have to notify the FAA after
A) 30 days.		
B) 60 days.		
C) 90 days.		
250.	AMG082	AMG
What is the max	ximum duration of a tempora	ry airman certificate?
A) 60 days.		
B) 90 days.		
C) 120 days.		
251.	AMG063	AMG
·	sible for determining that mated conform to the appropriate s	erials used in aircraft maintenance and repair are of the standards?
A) The installing	g person or agency.	
B) The owner o	r operator of the aircraft.	
C) The manufac	cturer of the aircraft.	
252.	AMG086	AMG
Who has the au	uthority to approve for return	to service a propeller after a 100-hour inspection?
1. A mechanic v	with a powerplant rating.	
2. Any certificat	ed repairman.	
	cated mechanic working under owerplant ratings.	er the supervision of a certificated mechanic with
A) 1.		
B) 1 and 3.		
C) 2.		