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Bank: (Private Pilot)

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: http://www.faa.gov/education_research/testing/airmen/test_questions/media/supplements.pdf

1. PLT309 PVT

Which basic flight maneuver increases the load factor on an airplane as compared to straight-and-level flight?

- A) Climbs.
- B) Turns.
- C) Stalls.
- 2. PLT309 PVT

(Refer to figure 2.) If an airplane weighs 2,300 pounds, what approximate weight would the airplane structure be required to support during a 60° banked turn while maintaining altitude?

- A) 2,300 pounds.
- B) 3,400 pounds.
- C) 4,600 pounds.
- 3. PLT168 PVT

The term 'angle of attack' is defined as the angle

- A) between the wing chord line and the relative wind.
- B) between the airplane's climb angle and the horizon.
- C) formed by the longitudinal axis of the airplane and the chord line of the wing.
- 4. PLT242 PVT

The four forces acting on an airplane in flight are

- A) lift, weight, thrust, and drag.
- B) lift, weight, gravity, and thrust.
- C) lift, gravity, power, and friction.
- 5. PLT134 PVT

How will frost on the wings of an airplane affect takeoff performance?

B) Frost will c	lisrupt the smooth flow of air over the wing, adventure the camber of the wing, increasing its life cause the airplane to become airborne with a hi	ting capability.		
6.	PLT242	PVT		
What force m	akes an airplane turn?			
A) The horizo	ntal component of lift.			
B) The vertical	al component of lift.			
C) Centrifuga	I force.			
7.	PLT243	PVT		
In what flight	condition is torque effect the greatest in a singl	e-engine airplane?		
A) Low airspe	eed, high power, high angle of attack.			
B) Low airspe	eed, low power, low angle of attack.			
C) High airsp	eed, high power, high angle of attack.			
8.	PLT243	PVT		
The left turning	ng tendency of an airplane caused by P-factor i	s the result of the		
A) clockwise	rotation of the engine and the propeller turning	the airplane counter-clockwise.		
B) propeller b left.	lade descending on the right, producing more t	hrust than the ascending blade on the		
C) gyroscopic force was app	c forces applied to the rotating propeller blades blied.	acting 90° in advance of the point the		
9.	PLT351	PVT		
What causes are not adjust	an airplane (except a T-tail) to pitch nosedown ted?	when power is reduced and controls		
A) The CG sh	nifts forward when thrust and drag are reduced.			
B) The downweffectiveness	wash on the elevators from the propeller slipstress is reduced.	eam is reduced and elevator		
C) When thru support the w	st is reduced to less than weight, lift is also red reight.	uced and the wings can no longer		
10.	PLT213	PVT		
What determi	nes the longitudinal stability of an airplane?			
•	on of the CG with respect to the center of lift.			
•	veness of the horizontal stabilizer, rudder, and	rudder trim tab.		
C) The relation	C) The relationship of thrust and lift to weight and drag.			

11.	PLT213	PVT
An airplane said	to be inherently stable will	
A) be difficult to s	stall.	
B) require less ef	fort to control.	
C) not spin.		
12.	PLT245	PVT
	dition must an aircraft be placed in orde	er to spin?
_	d with one wing low.	·
B) In a steep divi	•	
C) Stalled.		
13.	PLT477	PVT
	ases, the indicated airspeed at which a	
A) decrease as th	ne true airspeed decreases.	
B) decrease as th	ne true airspeed increases.	
C) remain the sa	me regardless of altitude.	
14.	PLT168	PVT
The angle of atta	ck at which an airplane wing stalls will	
A) increase if the	CG is moved forward.	
B) change with a	n increase in gross weight.	
C) remain the sa	me regardless of gross weight.	
15.	PLT194	PVT
An ATC radar fac	cility issues the following advisory to a p	ilot flying north in a calm wind:
`TRAFFIC 9 O`C	LOCK, 2 MILES, SOUTHBOUND`	
Where should the	e pilot look for this traffic?	
A) South.		
B) North.		
C) West.		
16.		PLT012 PVT
(Refer to figure 3 following condition	•	ion for a 1,000-nautical mile flight under the
Pressure altitude		8,000 ft
Temperature		22 °C

Manifold pressure		20.8 inches Hg	
Wind		Calm	
A) 60.2 gallons.			
B) 70.1 gallons.			
C) 73.2 gallons.			
17.	PLT012	PVT	
	What fuel flow should a pilot expect a	at 11,000 feet on a standard day with 65	
A) 10.6 gallons per	hour.		
B) 11.2 gallons per	hour.		
C) 11.8 gallons per	hour.		
18.	PLT124	PVT	
_		crease and a pressure altitude increase or	^
` • •	•	titude to 55 °F and 1,750 feet pressure	•
A) 1,300-foot decre	ase.		
B) 1,700-foot decre	ase.		
C) 1,700-foot increa	ase.		
19.	PLT019	PVT	
	Determine the pressure altitude at an	airport that is 1,386 feet MSL with an	
altimeter setting of 2	29.97.		
A) 1,341 feet MSL.			
B) 1,451 feet MSL.			
C) 1,562 feet MSL.			
20.		PLT008 PVT	
(Refer to figure 38.) obstacle.	Determine the approximate total dist	ance required to land over a 50-foot	
OAT		90 °F	
Pressure altitude		4,000 ft	
Weight		2,800 lb	
Headwind compone	ent	10 kts	
A) 1,525 feet.			
B) 1,775 feet.			
C) 1,950 feet.			

21.	PLT019	PVT
•	e 8.) Determine the petting of 28.22 at star	oressure altitude with an indicated altitude of 1,380 feet MSL with indard temperature.
A) 2,913 feet M	/ISL.	
B) 2,991 feet M	/ISL.	
C) 3,010 feet N	/ISL.	
22.	PLT019	PVT
(Refer to figure altimeter settin		ressure altitude at an airport that is 3,563 feet MSL with an
A) 3,527 feet M	/ISL.	
B) 3,556 feet M		
C) 3,639 feet N	MSL.	
23.		PLT011 PVT
(Refer to figure	e 41.) Determine the	total distance required for takeoff to clear a 50-foot obstacle.
OAT		Std
Pressure altitue	de	4,000 ft
Takeoff weight		2,800 lb
Headwind com	ponent	Calm
A) 1,500 feet.		
B) 1,750 feet.		
C) 2,000 feet.		
24.	PLT402	PVT
When activated	d, an emergency loc	ator transmitter (ELT) transmits on
A) 118.0 and 1		
B) 121.5 and 2		
C) 123.0 and 1	19.0 MHz.	
25.	PLT402	PVT
When must the battery is recha		gency locator transmitter (ELT) be replaced (or recharged if the
A) After one-ha	alf the battery's usef	life.
B) During each	n annual and 100-ho	ur inspection.
C) Every 24 ca	lendar months.	
26.	PLT402	PVT

vvnen may an A) Anytime.	emergency locator transmit	tter (ELT) be tested?
	5 minutes past the hour.	
•	first 5 minutes after the hou	r
o) burning the	mot o minutes after the floa	··
27.	PLT402	PVT
Which proced been activated		ure that the emergency locator transmitter (ELT) has not
A) Turn off the	aircraft ELT after landing.	
B) Ask the airp	oort tower if they are receiving	ng an ELT signal.
C) Monitor 12	1.5 before engine shutdown	
28.	PLT161	PVT
		vice is terminated when the pilot is departing Class C code
29.	PLT473	PVT
One of the ma	in functions of flaps during	approach and landing is to
A) decrease th	ne angle of descent without	increasing the airspeed.
B) permit a tou	uchdown at a higher indicate	ed airspeed.
C) increase th	e angle of descent without i	ncreasing the airspeed.
30.	PLT278	PVT
What is an imp	portant airspeed limitation th	nat is not color coded on airspeed indicators?
A) Never-exce	ed speed.	
B) Maximum s	structural cruising speed.	
C) Maneuverir	ng speed.	
31.	PLT088	PVT
(Refer to figure	e 4.) What is the maximum	structural cruising speed?
A) 100 MPH.		
B) 165 MPH.		
C) 208 MPH.		
32.	PLT088	PVT

(Refer to figure 4.) \ A) 65 MPH. B) 100 MPH. C) 165 MPH.	What is the maximum flaps-extended speed?	
33.	PLT088	PVT
(Refer to figure 4.) ⁻ A) 100 MPH. B) 165 MPH. C) 208 MPH.	The maximum speed at which the airplane can	be operated in smooth air is
34.	PLT167	PVT
If a pilot changes thindication?	ne altimeter setting from 30.11 to 29.96, what is	the approximate change in
A) Altimeter will ind	icate .15 inches Hg higher.	
B) Altimeter will ind	icate 150 feet higher.	
C) Altimeter will ind	icate 150 feet lower.	
35.	PLT165	PVT
How do variations i	n temperature affect the altimeter?	
A) Pressure levels	are raised on warm days and the indicated altit	ude is lower than true altitude.
B) Higher temperat altitude.	ures expand the pressure levels and the indica	ted altitude is higher than true
C) Lower temperatualtitude.	ures lower the pressure levels and the indicated	d altitude is lower than true
36.	PLT041	PVT
altimeter indicates		le of the altimeter is set so the
37.	PLT041	PVT
(Refer to figure 3.)	Altimeter 1 indicates	
A) 500 feet.		
B) 1,500 feet.		
C) 10,500 feet.		

38.	PLT166	PVT
If it is necessary	to set the altimeter from 29.15 to 29.85, what cha	ange occurs?
A) 70-foot increa	se in indicated altitude.	
B) 70-foot increa	se in density altitude.	
C) 700-foot incre	ease in indicated altitude.	
39.	PLT023	PVT
Under what cond	dition is indicated altitude the same as true altitude	le?
A) If the altimete	r has no mechanical error.	
B) When at sea l	evel under standard conditions.	
C) When at 18,0	00 feet MSL with the altimeter set at 29.92.	
40.	PLT023	PVT
What is true altit		
	istance of the aircraft above sea level.	
•	istance of the aircraft above the surface.	
•	ove the standard datum plane.	
o, monegni as	eve the standard datam plane.	
41.	PLT023	PVT
What is absolute	altitude?	
A) The altitude re	ead directly from the altimeter.	
B) The vertical d	istance of the aircraft above the surface.	
C) The height ab	ove the standard datum plane.	
42.	PLT023	PVT
What is density a	altitude?	
A) The height ab	ove the standard datum plane.	
B) The pressure	altitude corrected for nonstandard temperature.	
C) The altitude re	ead directly from the altimeter.	
43.	PLT166	PVT
(Refer to figure 7 align the	7.) The proper adjustment to make on the attitude	e indicator during level flight is to
A) horizon bar to	the level-flight indication.	
B) horizon bar to	the miniature airplane.	
C) miniature airp	lane to the horizon bar.	
44.	PLT132	PVT

(Refer to figure 7.) such as the one illu	How should a pilot determine the direction of bustrated?	ank from an attitude indicator
A) By the direction	of deflection of the banking scale (A).	
B) By the direction	of deflection of the horizon bar (B).	
C) By the relationsl	hip of the miniature airplane (C) to the deflected	d horizon bar (B).
45.	PLT215	PVT
In the Northern Hern normally indicate	misphere, if an aircraft is accelerated or decele	rated, the magnetic compass will
A) a turn momenta	rily.	
B) correctly when c	on a north or south heading.	
C) a turn toward the	e south.	
46.	PLT215	PVT
In the Northern Hei west if	misphere, a magnetic compass will normally inc	dicate initially a turn toward the
A) a left turn is ente	ered from a north heading.	
B) a right turn is en	tered from a north heading.	
C) an aircraft is acc	celerated while on a north heading.	
47.	PLT215	PVT
During flight, when	are the indications of a magnetic compass acc	urate?
A) Only in straight-	and-level unaccelerated flight.	
	irspeed is constant.	
C) During turns if the	ne bank does not exceed 18°.	
48.	PLT215	PVT
In the Northern Her when	misphere, the magnetic compass will normally i	ndicate a turn toward the south
A) a left turn is ente	ered from an east heading.	
B) a right turn is en	tered from a west heading.	
C) the aircraft is de	celerated while on a west heading.	
49.	PLT187	PVT
(Refer to figure 5.)	A turn coordinator provides an indication of the	
A) movement of the	e aircraft about the yaw and roll axis.	
B) angle of bank up	to but not exceeding 30°.	
C) attitude of the ai	rcraft with reference to the longitudinal axis.	

50.	PLT337	PVT
If the pitot t	ube and outside static vents become	clogged, which instruments would be affected?
A) The altin	neter, airspeed indicator, and turn-an	d-slip indicator.
B) The altin	neter, airspeed indicator, and vertical	speed indicator.
C) The altin	neter, attitude indicator, and turn-and	-slip indicator.
51.	PLT136	PVT
_	to carburetor ice, float-type carburet ly considered to be	or systems in comparison to fuel injection systems
A) more sus	sceptible to icing.	
B) equally s	susceptible to icing.	
C) suscepti	ble to icing only when visible moisture	e is present.
52.	PLT190	PVT
Which cond	lition is most favorable to the develop	ment of carburetor icing?
A) Any tem	perature below freezing and a relative	e humidity of less than 50 percent.
B) Tempera	ature between 32 and 50 °F and low I	numidity.
C) Tempera	ature between 20 and 70 °F and high	humidity.
53.	PLT249	PVT
	ng at 9,500 feet MSL, the fuel/air mix 4,500 feet MSL is made without read	cture is properly adjusted. What will occur if a justing the mixture?
A) The fuel	air mixture may become excessively	lean.
	Il be more fuel in the cylinders than is orb heat and cool the engine.	s needed for normal combustion, and the excess
C) The excedetion.	essively rich mixture will create highe	er cylinder head temperatures and may cause
54.	PLT189	PVT
Generally s	peaking, the use of carburetor heat to	ends to
A) decrease	e engine performance.	
B) increase	engine performance.	
C) have no	effect on engine performance.	
55.	PLT190	PVT
	t is equipped with a fixed-pitch prope ce would most likely be	ller and a float-type carburetor, the first indication of
A) a drop in	oil temperature and cylinder head te	mperature.
B) engine r	oughness.	

C) loss of R	PM.	
56.	PLT189	PVT
Applying ca	rburetor heat will	
A) result in	more air going through the ca	rburetor.
B) enrich th	e fuel/air mixture.	
C) not affect	t the fuel/air mixture.	
57.	PLT253	PVT
On aircraft	equipped with fuel pumps, who	en is the auxiliary electric driven pump used?
A) All the tir	me to aid the engine-driven fu	el pump.
B) In the ev	ent engine-driven fuel pump fa	ails.
C) Constan	tly except in starting the engin	e.
58.	PLT250	PVT
If the grade cause	of fuel used in an aircraft eng	ine is lower than specified for the engine, it will most likely
A) a mixture	e of fuel and air that is not unif	orm in all cylinders.
B) lower cyl	linder head temperatures.	
C) detonation	on.	
59.	PLT478	PVT
One purpos	se of the dual ignition system of	on an aircraft engine is to provide for
A) improved	d engine performance.	
B) uniform h	neat distribution.	
C) balanced	d cylinder head pressure.	
60.	PLT115	PVT
Detonation	occurs in a reciprocating aircr	aft engine when
A) the spark	c plugs are fouled or shorted o	out or the wiring is defective.
B) hot spots	s in the combustion chamber i	gnite the fuel/air mixture in advance of normal ignition.
C) the unbu	irned charge in the cylinders e	explodes instead of burning normally.
61.	PLT115	PVT
•	spects that the engine (with a initial corrective action to take	fixed-pitch propeller) is detonating during climb-out after would be to
A) lean the	mixture.	
B) lower the	e nose slightly to increase airs	peed.

C) apply carbure	tor heat.	
62.	PLT478	PVT
The uncontrolled A) combustion. B) pre-ignition. C) detonation.	firing of the fuel/air charge in	advance of normal spark ignition is known as
63.	PLT343	PVT
What should be t	he first action after starting ar	n aircraft engine?
A) Adjust for prop	per RPM and check for desire	d indications on the engine gauges.
B) Place the mag grounding.	gneto or ignition switch mome	ntarily in the OFF position to check for proper
C) Test each bra	ke and the parking brake.	
64.	PLT343	PVT
operating range, A) the mixture se	the pilot may have been oper et too rich.	I temperature gauges have exceeded their normal ating with
, 0	ormal oil pressure.	
C) too much pow	er and with the mixture set to	o lean.
65.	PLT253	PVT
affected by the m	- · · · · · · · · · · · · · · · · · · ·	pilot notes a slight engine roughness that is not se during the carburetor heat check. Under these I initial action?
A) Check the res	ults obtained with a leaner se	tting of the mixture.
B) Taxi back to the	ne flight line for a maintenanc	e check.
C) Reduce manif	old pressure to control detonate	ation.
66.	PLT249	PVT
The basic purpos	se of adjusting the fuel/air mix	ture at altitude is to
		n order to compensate for increased air density.
•	fuel flow in order to compensa	•
•	amount of fuel in the mixture to	compensate for the decrease in pressure and
67.	PLT324	PVT
An abnormally hi	gh engine oil temperature ind	ication may be caused by

A) the oil le	vel being too low.	
B) operatin	g with a too high viscosity oil.	
C) operatin	g with an excessively rich mixtu	ıre.
68.	PLT351	PVT
A precautio	on for the operation of an engine	e equipped with a constant-speed propeller is to
A) avoid hiç	gh RPM settings with high mani	fold pressure.
B) avoid hig	gh manifold pressure settings w	rith low RPM.
C) always เ	use a rich mixture with high RPI	M settings.
69.	PLT351	PVT
What effect efficiency a		compared to low density altitude, have on propeller
A) Efficience	cy is increased due to less friction	on on the propeller blades.
B) Efficience density altit		eller exerts less force at high density altitudes than at low
C) Efficience	cy is reduced due to the increas	ed force of the propeller in the thinner air.
70.	PLT196	PVT
Automatic concerning	•	TIS) is the continuous broadcast of recorded information
A) pilots of obstruction		aircraft is in dangerous proximity to terrain or to an
B) nonesse	ential information to reduce frequent	uency congestion.
C) noncont	rol information in selected high-	activity terminal areas.
71.	PLT140	PVT
When shou	lld pilots decline a land and hold	d short (LAHSO) clearance?
A) Pilots ca	n not decline clearance.	
B) Only wh	en the tower operator concurs.	
C) When it	will compromise safety.	
72.	PLT140	PVT
Who should	d not participate in the Land and	d Hold Short Operations (LAHSO) program?
A) Recreati	onal pilots only.	
B) Student	pilots.	
C) Military լ	oilots.	
73.	PLT141	PVT

	beacon operated during daylight hours indicat ctions on the airport.	es
B) that weather at the	he airport located in Class D airspace is below ontrol tower is not in operation.	basic VFR weather minimums.
seven times, and th		PVT ot should click the microphone
A) one time within fB) three time withinC) five times within	three seconds.	
75.Airport taxiway edgA) white directionalB) blue omnidirectionC) alternate red and	onal lights.	PVT
76.(Refer to figure 48.)A) below the glide sB) on the glide slopC) above the glide s	e.	PVT
77.An above glide slopA) a white light signB) a green light signC) an amber light sign	nal.	PVT
78.A below glide slopeA) red light signal.B) pink light signal.C) green light signal	PLT147 indication from a tri-color VASI is a	PVT
79. (Refer to figure 49.)	PLT077 Area C on the airport depicted is classified as	PVT a

A) stabilized ar	ea.	
B) multiple heli	port.	
C) closed runw	ay.	
80.	PLT077	PVT
(Refer to figure	49.) What is the difference	e between area A and area E on the airport depicted?
A) 'A' may be u	ised for taxi and takeoff; 'E'	may be used only as an overrun.
B) 'A' may be u overrun.	sed for all operations exce	pt heavy aircraft landings; 'E' may be used only as an
C) 'A' may be υ	used only for taxiing; 'E' ma	y be used for all operations except landings.
81.	PLT077	PVT
(Refer to figure	49.) According to the airpo	ort diagram, which statement is true?
A) Runway 30 stopping militar		ith emergency arresting gear to provide a means of
B) Takeoffs ma begins at positi	•	on Runway 12, and the landing portion of this runway
C) The takeoff	and landing portion of Run	way 12 begins at position B.
82.	PLT141	PVT
The numbers 9	and 27 on a runway indica	ate that the runway is oriented approximately
A) 009° and 02	7° true.	
B) 090° and 27	'0° true.	
C) 090° and 27	'0° magnetic.	
83.	PLT039	PVT
(Refer to figure	51.) The segmented circle	indicates that a landing on Runway 26 will be with a
A) right-quarter	ring headwind.	
B) left-quarterir	ng headwind.	
C) right-quarte	ring tailwind.	
84.	PLT039	PVT
avoid flights ov	er an area to the	dicated in the segmented circle have been arranged to
A) south of the	•	
B) north of the C) southeast of	•	
85.	PLT039	PVT

(Refer to figure 51.)) The segmented circle indicates that the airpor	t traffic is
A) left-hand for Rur	nway 36 and right-hand for Runway 18.	
B) left-hand for Rur	nway 18 and right-hand for Runway 36.	
C) right-hand for R	unway 9 and left-hand for Runway 27.	
86.	PLT077	PVT
(Refer to figure 50.) on) If the wind is as shown by the landing direction	n indicator, the pilot should land
A) Runway 18 and	expect a crosswind from the right.	
B) Runway 22 direc	ctly into the wind.	
C) Runway 36 and	expect a crosswind from the right.	
87.	PLT444	PVT
During the preflight A) The pilot in com	inspection who is responsible for determining t mand.	he aircraft is safe for flight?
B) The certificatedC) The owner or op	mechanic who performed the annual inspection perator.	l.
88.	PLT486	PVT
A) Aileron down on	strong quartering tailwinds, which aileron position the downwind side.	ons should be used?
B) Ailerons neutral.C) Aileron down on	the side from which the wind is blowing.	
89.	PLT112	PVT
•	area A.) How should the flight controls be held verten a left quartering headwind?	vhile taxiing a tricycle-gear
A) Left aileron up, 6	elevator neutral.	
B) Left aileron dow	n, elevator neutral.	
C) Left aileron up,	elevator down.	
90.	PLT502	PVT
If instructed by grou	und control to taxi to Runway 9, the pilot may pi	roceed
A) via taxiways and	d across runways to, but not onto, Runway 9.	
B) to the next inters	secting runway where further clearance is requi	red.
C) via taxiways and	d across runways to Runway 9, where an imme	diate takeoff may be made.
91.	PLT044	PVT

A) When advised b B) Prior to turning c	ower-controlled airport, when should the pilot co y the tower to do so. off the runway. taxiway that leads directly to the parking area.	entact ground control?
A) Observe the traf B) Enter a crosswir	PLT150 o fails, what is the recommended procedure where fic flow, enter the pattern, and look for a light signal leg and rock the wings. It is glights and cycle the landing gear while circling	gnal from the tower.
93. What ATC facility s airspace? A) Automated Fligh B) Air Traffic Contro C) Air Route Traffic	ol Tower.	PVT departure clearance in Class D
	PLT064 area 3.) If Redbird Tower is not in operation, w Advisory Frequency (CTAF) to monitor airport tr	
	PLT064 area 2; and figure 32.) At Coeur D'Alene, which livisory Frequency (CTAF) to self-announce posts.	· · · · · · · · · · · · · · · · · · ·
` •	PLT064 area 2; and figure 32.) At Coeur D'Alene, which lvisory Frequency (CTAF) to monitor airport traf	•

97.	PLT064	PVT
(Refer to figure 2 Coeur D'Alene to		What is the correct UNICOM frequency to be used at
A) 135.075 MHz		
B) 122.1/108.8 N	ЛHz.	
C) 122.8 MHz.		
98.	PLT064	PVT
(Refer to figure 2 land at Cooperst	•	commended communication procedure when inbound to
A) Broadcast into	entions when 10 miles out	on the CTAF/MULTICOM frequency, 122.9 MHz.
B) Contact UNIC	OM when 10 miles out on	122.8 MHz.
C) Circle the airp	oort in a left turn prior to er	ntering traffic.
99.	PLT064	PVT
(Refer to figure 2	27, area 4.) The CTAF/UN	ICOM frequency at Jamestown Airport is
A) 122.0 MHz.		
B) 123.0 MHz.		
C) 123.6 MHz.		
100.	PLT509	PVT
When departing aircraft	behind a heavy aircraft, th	e pilot should avoid wake turbulence by maneuvering the
A) below and do	wnwind from the heavy air	craft.
B) above and up	wind from the heavy aircra	aft.
C) below and up	wind from the heavy aircra	aft.
101.	PLT509	PVT
When landing be	ehind a large aircraft, the p	ilot should avoid wake turbulence by staying
A) above the large point.	ge aircraft's final approach	path and landing beyond the large aircraft's touchdown
B) below the larg point.	ge aircraft's final approach	path and landing before the large aircraft's touchdown
C) above the large	ge aircraft's final approach	path and landing before the large aircraft's touchdown
102.	PLT509	PVT
The greatest vor	tex strength occurs when	the generating aircraft is
A) light, dirty, an	d fast.	

B) heavy, dirty, and fast	t.	
C) heavy, clean, and slo	DW.	
103.	PLT509	PVT
When taking off or land	ing at an airport where heavy aircraft are oper nazards of wingtip vortices because this turb	erating, one should be
A) rise from a crossing	runway into the takeoff or landing path.	
B) rise into the traffic pa	attern area surrounding the airport.	
C) sink into the flightpat	th of aircraft operating below the aircraft general	erating the turbulence.
104.	PLT040	PVT
(Refer to figure 26, area northwest of Fort Worth A) at the surface.	a 4.) The floor of Class B airspace overlying Meacham Field is	Hicks Airport (T67) north-
B) 3,200 feet MSL.		
C) 4,000 feet MSL.		
, ,		
105.	PLT040	PVT
(Refer to figure 26, area	a 2.) The floor of Class B airspace at Addisor	n Airport is
A) at the surface.		
B) 3,000 feet MSL.		
C) 3,100 feet MSL.		
106.	PLT161	PVT
	uld a pilot take prior to entering Class C airsp	
	ontrol on the appropriate frequency.	
,	nd request permission to enter.	
C) Contact the FSS for	•	
,		
107.	PLT161	PVT
Under what condition m	ay an aircraft operate from a satellite airport	within Class C airspace?
A) The pilot must file a	flight plan prior to departure.	
B) The pilot must monit	or ATC until clear of the Class C airspace.	
C) The pilot must conta	ct ATC as soon as practicable after takeoff.	
108.	PLT161	PVT
	ass C airspace must be in	. • •
A) accordance with inst	·	
. , accordance with mot	. ss.n mgm raissi	

	C clearances and instructions. I with a 4096-code transponder with Mode C	encoding capability.
109. The normal radius of th A) 5 nautical miles. B) 15 nautical miles. C) 20 nautical miles.	PLT161 ne outer area of Class C airspace is	PVT
110. The vertical limit of Cla A) 1,200 feet AGL. B) 3,000 feet AGL. C) 4,000 feet AGL.	PLT161 ass C airspace above the primary airport is n	PVT ormally
111. (Refer to figure 24, are (outer circle)? A) 1,300 feet AGL. B) 1,300 feet MSL. C) 1,700 feet MSL.	PLT161 a 3.) What is the floor of the Savannah Clas	PVT s C airspace at the shelf area
A) the number of airpor B) 5 statute miles from	PLT161 s of Class D airspace are based on rts that lie within the Class D airspace. the geographical center of the primary airport edures for which the controlled airspace is e	
113. (Refer to figure 23, are Federal Airway over Ma A) 1,200 feet AGL to 13 B) 700 feet MSL to 12,5 C) 7,500 feet MSL to 1	7,999 feet MSL. 500 feet MSL.	PVT ss E airspace designated as a
	PLT064 ea 3.) What type military flight operations sho above 1,500 feet AGL at speeds in excess of	

,		GL at speeds less than 250 knots. feet AGL at speeds in excess of 150 knots.
115.	PLT194	PVT
An ATC radar facili TRAFFIC 3 O'CLC		advisory to a pilot flying on a heading of 090°: OUND'
C) West.		
116. Responsibility for c A) the controlling a B) all pilots. C) Air Traffic Contr		PVT n alert area rests with
117. (Refer to figure 27, MOA?	PLT393 area 2.) What hazard	PVT to aircraft may exist in areas, such as Devils Lake East
A) Unusual, often ii missiles. B) Military training a	activities that necessi	craft, such as artillery firing, aerial gunnery, or guided te acrobatic or abrupt flight maneuvers.
A) Unusual, often in B) Military training	nvisible, hazards such activities that necessi	PVT to aircraft may exist in restricted areas such as R-5302B? as aerial gunnery or guided missiles. te acrobatic or abrupt flight maneuvers. sual type of aerial activity.
119. (Refer to figure 27, no lower than A) 2,000 feet AGL. B) 2,500 feet AGL. C) 3,000 feet AGL.		PVT ver Arrowwood National Wildlife Refuge, a pilot should fly
120.	PLT161	PVT

(Refer to figure	27, area 1.) Identify the airspace over	Lowe Airport.
A) Class G airs	space - surface up to but not including	18,000 feet MSL.
B) Class G airs 14,500 feet MS		700 feet MSL, Class E airspace - 700 feet to
•	space - surface up to but not including not including 18,000 feet MSL.	1,200 feet AGL, Class E airspace - 1,200 feet
121.	PLT123	PVT
After takeoff, w A) V _Y	hich airspeed would the pilot use to ga	in the most altitude in a given period of time?
B) V _X		
C) V _A		
122.	PLT119	PVT
	flight, you observe steady red and greed direction of movement of the other aircr	en lights ahead and at the same altitude. What raft?
A) The other ai	rcraft is crossing to the left.	
B) The other ai	rcraft is flying away from you.	
C) The other ai	rcraft is approaching head-on.	
123.	PLT119	PVT
	flight, you observe a steady white light What is the general direction of moven	and a flashing red light ahead and at the nent of the other aircraft?
A) The other ai	rcraft is flying away from you.	
B) The other ai	rcraft is crossing to the left.	
C) The other ai	rcraft is crossing to the right.	
124.	PLT194	PVT
Prior to starting	g each maneuver, pilots should	
A) check altitud	de, airspeed, and heading indications.	
B) visually scar	n the entire area for collision avoidance	; .
C) announce th	neir intentions on the nearest CTAF.	
125.	PLT099	PVT
What is the mo	st effective way to use the eyes during	night flight?
A) Look only at	far away, dim lights.	
B) Scan slowly	to permit offcenter viewing.	
C) Concentrate	e directly on each object for a few seco	nds.

126.	PLT099	PVT
The best method to use	when looking for other traffic at night is to	
A) look to the side of the	object and scan slowly.	
B) scan the visual field ve	ery rapidly.	
C) look to the side of the	object and scan rapidly.	
127.	PLT099	PVT
The most effective methor hours is to use	od of scanning for other aircraft for collision a	avoidance during nighttime
A) regularly spaced cond	centration on the 3-, 9-, and 12-o'clock positi	ons.
B) a series of short, regu	larly spaced eye movements to search each	n 30-degree sector.
C) peripheral vision by so	canning small sectors and utilizing offcenter	viewing.
128.	PLT125	PVT
What procedure is recom	nmended when climbing or descending VFR	on an airway?
A) Execute gentle banks	, left and right for continuous visual scanning	g of the airspace.
B) Advise the nearest FS	SS of the altitude changes.	
C) Fly away from the cer	nterline of the airway before changing altitud	e.
400	DI TEGO	DVT
129.	PLT509	PVT
• .	ited only when an aircraft is	
A) operating at high airsp	beeds.	
B) heavily loaded.C) developing lift.		
C) developing int.		
130.	PLT509	PVT
	equires maximum caution when avoiding wa	ake turbulence on landing is a
A) light, quartering heads		
B) light, quartering tailwir	nd.	
C) strong headwind.		
131.	PLT271	PVT
• .	art of the aeronautical decision making (ADN sks associated with each flight?	1) process, relies on which
A) Application of stress n	nanagement and risk element procedures.	
B) Situational awareness	s, problem recognition, and good judgment.	
C) The mental process o decision on what action t	f analyzing all information in a particular situto take.	ation and making a timely

132.	PLT097	PVT
Susceptibility to carbon r	monoxide poisoning increases as	
A) altitude increases.		
B) altitude decreases.		
C) air pressure increase	s.	
133.	PLT330	PVT
Which statement best de	• •	
A) A state of oxygen def		
•	e in the volume of air breathed.	
C) A condition of gas but	bble formation around the joints or muscles.	
134.	PLT332	PVT
	on is encountered in flight, an abnormal incre cause a condition known as	ase in the volume of air
A) hyperventilation.		
B) aerosinusitis.		
C) aerotitis.		
135	DI T10/	D\/T
135. Which technique should	PLT194 a pilot use to scap for traffic to the right and	PVT
	PLT194 a pilot use to scan for traffic to the right and	
Which technique should flight?		left during straight-and-level
Which technique should flight? A) Systematically focus of the control of the con	a pilot use to scan for traffic to the right and	left during straight-and-level ervals.
Which technique should flight? A) Systematically focus of B) Concentrate on relative	a pilot use to scan for traffic to the right and on different segments of the sky for short into	left during straight-and-level ervals.
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision.	left during straight-and-level ervals.
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136.	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194	left during straight-and-level ervals. on area.
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136. How can you determine	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194 if another aircraft is on a collision course with	left during straight-and-level ervals. on area. PVT h your aircraft?
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136. How can you determine A) The other aircraft will	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194 if another aircraft is on a collision course with always appear to get larger and closer at a result of the scan of the second s	left during straight-and-level ervals. on area. PVT h your aircraft?
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136. How can you determine A) The other aircraft will B) The nose of each aircraft will should be should b	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194 if another aircraft is on a collision course with	left during straight-and-level ervals. on area. PVT h your aircraft? rapid rate.
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136. How can you determine A) The other aircraft will B) The nose of each airc C) There will be no apparatus.	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194 if another aircraft is on a collision course with always appear to get larger and closer at a recraft is pointed at the same point in space. Alternative motion between your aircraft are	left during straight-and-level ervals. on area. PVT h your aircraft? rapid rate. on the other aircraft.
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136. How can you determine A) The other aircraft will B) The nose of each airc C) There will be no apparatus.	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194 if another aircraft is on a collision course with always appear to get larger and closer at a recraft is pointed at the same point in space. It is pointed at the same your aircraft are period of the relative motion between your aircraft are period.	left during straight-and-level ervals. on area. PVT h your aircraft? rapid rate.
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136. How can you determine A) The other aircraft will B) The nose of each airc C) There will be no apparatus. 137. Pilots are more subject to	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194 if another aircraft is on a collision course with always appear to get larger and closer at a recraft is pointed at the same point in space. Alrent relative motion between your aircraft are PLT334 to spatial disorientation if	left during straight-and-level ervals. on area. PVT h your aircraft? rapid rate. on the other aircraft.
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136. How can you determine A) The other aircraft will B) The nose of each airc C) There will be no apparatus. 137. Pilots are more subject to A) they ignore the sensal	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194 if another aircraft is on a collision course with always appear to get larger and closer at a recraft is pointed at the same point in space. In a relative motion between your aircraft are placed of the peripheral vision. PLT334 o spatial disorientation if the standard of muscles and inner ear.	left during straight-and-level ervals. on area. PVT h your aircraft? rapid rate. nd the other aircraft. PVT
Which technique should flight? A) Systematically focus of B) Concentrate on relative C) Continuous sweeping 136. How can you determine A) The other aircraft will B) The nose of each airc C) There will be no apparatus are more subject to A) they ignore the sensa B) visual cues are taken	a pilot use to scan for traffic to the right and on different segments of the sky for short into we movement detected in the peripheral vision of the windshield from right to left. PLT194 if another aircraft is on a collision course with always appear to get larger and closer at a recraft is pointed at the same point in space. Alrent relative motion between your aircraft are PLT334 to spatial disorientation if	left during straight-and-level ervals. on area. PVT h your aircraft? rapid rate. nd the other aircraft. PVT cal conditions (IMC).

138.	PLT334	PVT
A) shifting the eyes quick B) having faith in the inst	sorientation during flight in poor visual condit kly between the exterior visual field and the it truments rather than taking a chance on the e opposite direction of the motion of the airc	instrument panel. sensory organs.
139. The correct method of st A) 'FOUR THOUSAND F B) 'FOUR POINT FIVE.' C) 'FORTY-FIVE HUNDI		PVT
140. The correct method of st A) 'TEN THOUSAND, FI B) 'TEN POINT FIVE.' C) 'ONE ZERO THOUSA		PVT
141. Pilots flying over a natior A) 1,000 feet AGL. B) 2,000 feet AGL. C) 3,000 feet AGL.	PLT064 nal wildlife refuge are requested to fly no low	PVT ver than
142. (Refer to figure 21, area A) 20 feet. B) 36 feet. C) 360 feet.	PLT064 2.) The elevation of the Chesapeake Region	PVT nal Airport is
A) Unmarked blimp hang B) Unmarked balloon on	PLT064 5.) The CAUTION box denotes what hazard gers at 300 feet MSL. cable to 3,000 feet AGL. cable to 3,000 feet MSL.	PVT I to aircraft?
144.	PLT064	PVT

`	22.) On what frequency can a i) in the vicinity of area 1?	pilot receive Hazardous Inflight Weather Advisory	
145.	PLT064	PVT	
A) compulsory r	eporting point for Norfolk Classeporting point for Hampton Ro	•	
146.	PLT064	PVT	
A) Minot Intl. (ar B) Minot Intl. (ar	22.) Which public use airports ea 1) and Mercer County Reg ea 1) and Garrison (area 2). ty Regional Airport (area 3) ar		
147. (Refer to figure 2 A) 122.95 MHz. B) 126.0 MHz. C) 133.4 MHz.	PLT101 26, area 2.) The control tower	PVT frequency for Addison Airport is	
148.	PLT064	PVT	
Airport, and Ridg A) outer bounda B) airports with s	geland Airport are ries of Savannah Class C airs special traffic patterns.	sboro Bullock County Airport, Claxton-Evans County pace. tial callup prior to entering Savannah Class C	/
149.	PLT101	PVT	
(Refer to figure 2 A) Class B airsp B) Class C airsp		ctly overlying Fort Worth Meacham is	
150.	PLT064	PVT	

3.) What is the height of the lighted obstacle International?	e approximately 6 nautical miles
PLT012	PVT
terrain elevation of the light tan area between	en Minot (area 1) and Audubon
t MSL.	
et MSL.	
et MSL.	
PLT064	PVT
1.) What minimum radio equipment is requi	red to land and take off at
and omnireceiver.	
and two-way radio.	
omnireceiver, and DME.	
PLT101	PVT
7.) The airspace overlying Mc Kinney (TKI)	is controlled from the surface to
PLT040	PVT
6.) The airspace overlying and within 5 mile in the surface to the floor of the overlying Clain the surface to 1,200 feet MSL. In the surface to 700 feet AGL.	• •
PLT101	PVT
8.) What minimum altitude is required to fly buth of NAS Dallas?	
	PLT012 terrain elevation of the light tan area between the MSL. et MSL. et MSL. et MSL. et MSL. et MSL. et MSL. PLT064 1.) What minimum radio equipment is required to fly the surface to the floor of the overlying Clain the surface to 700 feet AGL. PLT101 8.) What minimum altitude is required to fly

156.	PLT012	PVT
-		port in the central standard time zone at 0930 CST for ntain standard time zone. The landing should be at
A) 0930 MST.		
B) 1030 MST.		
C) 1130 MST.		
157.	PLT012	PVT
•		neading for a flight from Sandpoint Airport (area 1) to 15° at 25 knots, and the true airspeed is 125 knots.
A) 187°.		
B) 169°.		
C) 349°.		
158.	PLT012	PVT
a 2-hour flight to	•	oort in the central standard time zone at 0845 CST for ntain standard time zone. The landing should be at
A) 1345Z.		
B) 1445Z.		
C) 1645Z.		
159.	PLT012	PVT
for a 2-hour 15-		port in the mountain standard time zone at 1615 MST ted in the Pacific standard time zone. The estimated be
B) 1730 PST.		
C) 1830 PST.		
160.	PLT012	PVT
· -	25). Determine the magnetic of Magnetic variation is 6°30'E.	course from Airpark East Airport (area 1) to Winnsboro
A) 075°.		
B) 082°.		
C) 091°.		
161.	PLT012	PVT

	airport located in the cer	port in the Pacific standard time zone at 1030 PST for tral standard time zone. The landing should be at what
A) 2030Z.		
B) 2130Z.		
C) 2230Z.		
162.	PLT012	PVT
3) to Minot Internati		ne en route from Mercer County Regional Airport (area s from 330° at 25 knots and the true airspeed is 100 imb-out.
A) 44 minutes.		
B) 48 minutes.		
C) 52 minutes.		
163.	PLT012	PVT
for a 2-hour 30-min estimated time of a		port in the mountain standard time zone at 1515 MST ted in the Pacific standard time zone. What is the port?
A) 1645 PST.		
B) 1745 PST.		
C) 1845 PST.		
164.	PLT012	PVT
` •	The wind is from 200° at 2	ne en route for a flight from Denton Muni (area 1) to 0 knots, the true airspeed is 110 knots, and the
A) 13 minutes.		
B) 16 minutes.		
C) 19 minutes.		
165.	PLT012	PVT
		heading for a flight from St. Maries Airport (area 4) to 340° at 10 knots, and the true airspeed is 90 knots.
B) 327°.		
C) 345°.		
166.	PLT012	PVT

(area 1) to Claxton-Evan	It is the estimated time en route for a flight from Scounty Airport (area 2)? The wind is from the control of t	
A) 27 minutes.		
B) 30 minutes.		
C) 33 minutes.		
167.	PLT012	PVT
1) to Claxton-Evans Cou airspeed is 90 knots. A) 208°.	ermine the magnetic heading for a flight from nty Airport (area 2). The wind is from 090° a	
B) 212°.		
C) 230°.		
168.	PLT012	PVT
•	9.) Determine the compass heading for a flig ton Varnville Airport (area 1). The wind is fro	•
169.	PLT064	PVT
	ermine the magnetic course from First Flight	
170.	PLT012	PVT
(Refer to figure 27.) Dete Jamestown Airport (area A) 180°. B) 188°. C) 360°.	ermine the magnetic course from Breckheime 4).	er (Pvt) Airport (area 1) to
171.	PLT012	PVT

•	•	eading for a flight from Priest River Airport (area 1) to d is from 030° at 12 knots, and the true airspeed is 95
A) 118°.		
B) 143°.		
C) 136°.		
172.	PLT012	PVT
(area 1) to Shosho airspeed is 95 kno		d time en route for a flight from Priest River Airport B). The wind is from 030 at 12 knots and the true b-out.
A) 29 minutes.		
B) 27 minutes.		
C) 31 minutes.		
173.	PLT012	PVT
•	port (area 1)? The wind is	ime en route for a flight from St. Maries Airport (area 4) from 300° at 14 knots and the true airspeed is 90 knots.
A) 38 minutes.		
B) 43 minutes.		
C) 48 minutes.		
174.	PLT455	PVT
(Refer to figure 52 7 of the flight plan	•	ng altitude is intended, which should be entered in block
A) Initial cruising a	altitude.	
B) Highest cruising	g altitude.	
C) Lowest cruising	g altitude.	
175.	PLT455	PVT
(Refer to figure 52	2.) What information shoul	d be entered in block 9 for a VFR day flight?
A) The name of th	e airport of first intended l	anding.
B) The name of de	estination airport if no stop	pover for more than 1 hour is anticipated.
C) The name of th	ne airport where the aircra	ft is based.
176.	PLT515	PVT
How should conta what service woul		En Route Flight Advisory Service (EFAS) station, and

 A) Call EFAS on 122.2 for routine weather, current reports on hazardous weather, and altimeter settings. B) Call flight assistance on 122.5 for advisory service pertaining to severe weather. C) Call Flight Watch on 122.0 for information regarding actual weather and thunderstorm activity along proposed route. 			
177.	PLT014	PVT	
(Refer to figure 31, illusheading is A) 135°. B) 270°. C) 360°.	stration 8.) If the magnetic bearing TO the sta	tion is 135°, the magnetic	
178.	PLT091	PVT	
(Refer to figure 30, illust A) 030°. B) 150°. C) 180°.	stration 1.) What outbound bearing is the aircr	raft crossing?	
179.	PLT014	PVT	
(Refer to figure 30.) W crosswind? A) 1. B) 2. C) 4.	hich ADF indication represents the aircraft tra	cking TO the station with a right	
180.	PLT014	PVT	
	stration 3.) What is the magnetic bearing FRC		
181. (Refer to figure 30, illust TO the station. A) 040°. B) 160°. C) 220°.	PLT014 stration 2.) Determine the approximate headir	PVT ag to intercept the 180° bearing	

182.	PLT091	PVT
(Refer to figure 30 A) 010°. B) 145°. C) 190°.	, illustration 2.) What mag	gnetic bearing should the pilot use to fly TO the station?
183.	PLT091	PVT
(Refer to figure 30 A) 030°. B) 180°. C) 210°.	, illustration 1.) Determin	e the magnetic bearing TO the station.
184.	PLT090	PVT
(Refer to figure 29 aircraft crossing? A) 030°. B) 210°. C) 300°.		receiver has the indications shown. What radial is the
185.	PLT090	PVT
•		re 29.) The VOR is tuned to Jamestown VOR, and the bort . Which VOR indication is correct?
186.	PLT090	PVT
(Refer to figure 29		receiver has the indications shown. What is the
187.	PLT101	PVT
selector (OBS) is s	•	ned to the Dallas/Fort Worth VORTAC. The omnibearing dication, and a right course deviation indicator (CDI) om the VORTAC?
A) East-northeast.		
B) North-northeast	i.	

C) West-southwes	st.	
188.	PLT090	PVT
` •	,	R is tuned to Bonham VORTAC (area 3), and the aircraftings (area 5). Which VOR indication is correct?
189.	PLT012	PVT
•		e selected on the omnibearing selector (OBS) to make a sirport (area 3) to the Minot VORTAC (area 1) with a TO
190.	PLT090	PVT
	, area 3; and figure 29.) Shawboro. Which VOR in	The VOR is tuned to Elizabeth City VOR, and the aircraft ndication is correct?
191.	PLT090	PVT
Norfolk (area 1), if (area 3)? A) 15 nautical mile		
,	es from Norfolk VORTAC	
192.	PLT101	PVT
•		te position of the aircraft if the VOR receivers indicate IE (area 5) and the 140° radial of Bonham VORTAC
A) Majors Airport.		
B) Meadowview A	irport.	
C) Glenmar Airpoi	t.	

193.	PLT335	PVT
`	,	position of the aircraft if the VOR receivers indicate 3) and the 184° radial of Allendale VOR (area 1)?
A) Town of Guy	ton.	
B) Town of Spri	ngfield.	
C) 3 miles east	of Marlow.	
194.	PLT064	PVT
Hampton Varnv	24.) On what course should tille Airport (area 1) to Savanr	the VOR receiver (OBS) be set to navigate direct from nah VORTAC (area 3)?
A) 003°.		
B) 183°.		
C) 200°.		
195.	PLT101	PVT
A blue segment	ed circle on a Sectional Char	t depicts which class airspace?
A) Class B.		
B) Class C.		
C) Class D.		
196.	PLT161	PVT
Airspace at an a	airport with a part-time contro	I tower is classified as Class D airspace only
A) when the we	ather minimums are below ba	asic VFR.
B) when the ass	sociated control tower is in op	eration.
C) when the ass	sociated Flight Service Statio	n is in operation.
197.	PLT064	PVT
•	23, area 2 and legend 1.) Followerwood Airport, refer to	r information about the parachute jumping and glider
A) notes on the	border of the chart.	
B) the Airport/F	acility Directory.	
C) the Notices t	o Airmen (NOTAM) publication	on.
198.	PLT371	PVT
With respect to	the certification of aircraft, wh	nich is a category of aircraft?
A) Normal, utilit	y, acrobatic.	
B) Airplane, roto	orcraft, glider.	
C) Landplane, s	seaplane.	

199.	PLT371	PVT
With respect to the certi-	fication of airmen, which is a class of aircraft	?
A) Airplane, rotorcraft, g		
, .	nd sea, multiengine land and sea.	
	nip, hot air balloon, gas balloon.	
o, Lightor than an, and	np, not all balloon, gao balloon.	
200.	PLT506	PVT
Which V-speed represe	nts maneuvering speed?	
A) VA.		
B) VLO.		
C) VNE.		
,		
201.	PLT446	PVT
Preventive maintenance	e has been performed on an aircraft. What pa	aperwork is required?
A) A full, detailed descri	ption of the work done must be entered in the	e airframe logbook.
B) The date the work wa	as completed, and the name of the person when	no did the work must be
entered in the airframe a	and engine logbook.	
,	cate number, and kind of certificate held by the	
and a description of the	work must be entered in the aircraft mainten	ance records.
202.	PLT463	PVT
	viction for driving while intoxicated by alcohol	
the FAA, Civil Aviation S	,	or arage chain it so reperted to
A) No later than 60 days	s after the motor vehicle action.	
B) No later than 30 work	king days after the motor vehicle action.	
C) Required to be repor	ted upon renewal of medical certificate.	
203.	PLT399	PVT
•	a pilot certificate or a medical certificate sha	
the request of the Admir	nistrator, the National Transportation Safety I	Board, or any
A) authorized represent	ative of the Department of Transportation.	
B) person in a position of	of authority.	
C) federal, state, or local	al law enforcement officer.	
204.	PLT447	PVT
	Certificate is issued to a 36-year-old pilot on A	
	of a Private Pilot Certificate, the medical certi	•
on	, ,	g
A) August 10, 2 years la	iter.	

B) August 31, 3 years	s later.	
C) August 31, 2 years	s later.	
205.	PLT399	PVT
What document(s) m		possession or readily accessible in the aircraft while
A) Certificates showing review.	ng accomplishment of a	checkout in the aircraft and a current biennial flight
	vith an endorsement sho g recency of experience.	wing accomplishment of an annual flight review and a
C) An appropriate pil	ot certificate and an appi	ropriate current medical certificate if required.
206.	PLT448	PVT
What exception, if an passengers who pay		to act as pilot in command of an aircraft carrying
A) If the passengers	pay all the operating exp	enses.
B) If a donation is ma	ade to a charitable organ	ization for the flight.
C) There is no excep	tion.	
207.	PLT407	PVT
	pilot may not act as pilot 's logbook a minimum of	in command of an aircraft towing a glider unless there
A) 100 hours of pilot	flight time in any aircraft,	that the pilot is using to tow a glider.
B) 100 hours of pilot- pilot is using to tow a		aircraft category, class, and type, if required, that the
C) 200 hours of pilot- pilot is using to tow a		aircraft category, class, and type, if required, that the
208.	PLT448	PVT
	ing a private pilot certifice, that person must have	ate may act as pilot in command of a high-
A) passed a flight tes	t in that airplane from an	FAA inspector.
B) an endorsement ir	n that person's logbook tl	hat he or she is competent to act as pilot in command.
C) received ground a person's logbook.	nd flight instruction from	an authorized flight instructor who then endorses that
209.	PLT451	PVT
The pilot in command	d is required to hold a tyr	pe rating in which aircraft?

A) Aircraft operated under an authorization issued by the Administrator.

B) Aircraft having a gross weight of more than 12,500 pounds.

C) Aircraft involved in fe	erry flights, training flights, or test flights.	
A) 700 feet above the s B) 1,200 feet above the	PLT161 fied, Federal Airways include that Class E air surface up to and including 17,999 feet MSL. e surface up to and including 17,999 feet MSI d including 18,000 feet MSL.	
A) flight visibility is less	area of a city, town, or settlement.	PVT
212.No person may operateA) 3 miles.B) 5 miles.C) 7 miles.	PLT369 an aircraft in acrobatic flight when the flight	PVT visibility is less than
213.Which is normally probiA) Flight under instrumeB) Flight over a denselyC) Flight within Class D	populated area.	PVT ivil aircraft?
A) On the Airworthiness B) In the current, FAA-a or any combination the	approved flight manual, approved manual ma	PVT aterial, markings, and placards,
_	PLT375 substantially affects an aircraft's operation in ely-rated pilot and approved for return to serveard.	<u> </u>

C) for compens	sation or nire.	
216.	PLT374	PVT
•	,	personnel make the appropriate entries in the aft has been approved for return to service lies with
A) owner or ope	erator.	
B) pilot in comn	nand.	
C) mechanic w	ho performed the work.	
217.	PLT426	PVT
What aircraft in	spections are required for rental	aircraft that are also used for flight instruction?
A) Annual cond	lition and 100-hour inspections.	
B) Biannual cor	ndition and 100-hour inspections.	
C) Annual cond	dition and 50-hour inspections.	
218.	PLT161	PVT
When flying in a authorized is	a VFR corridor designated throug	h Class B airspace, the maximum speed
A) 180 knots.		
B) 200 knots.		
C) 250 knots.		
219.	PLT201	PVT
Which is the co	orrect traffic pattern departure pro	cedure to use at a noncontrolled airport?
		after crossing the airport boundary.
B) Make all turr	ns to the left.	
C) Comply with	any FAA traffic pattern establish	ed for the airport.
220.	PLT161	PVT
When flying in t	the airspace underlying Class B a	airspace, the maximum speed authorized is
A) 200 knots.		
B) 230 knots.		
C) 250 knots.		
221.	PLT467	PVT
What minimum MSL?	flight visibility is required for VFF	R flight operations on an airway below 10,000 feet
A) 1 mile.		

B) 3 miles.		
C) 4 miles.		
222.	PLT163	PVT
What minimum visibilit	y and clearance from clouds are required GL or below during daylight hours?	
A) 1 mile visibility and	clear of clouds.	
B) 1 mile visibility, 500 clouds.	feet below, 1,000 feet above, and 2,000	feet horizontal clearance from
C) 3 miles visibility and	d clear of clouds.	
223.	PLT468	PVT
The minimum distance MSL is	e from clouds required for VFR operations	s on an airway below 10,000 feet
A) remain clear of clou	ıds.	
B) 500 feet below, 1,00	00 feet above, and 2,000 feet horizontally	<i>/</i> .
C) 500 feet above, 1,0	00 feet below, and 2,000 feet horizontally	/.
224.	PLT163	PVT
• .	in controlled airspace at altitudes of less m clouds requirement for VFR flight is	than 1,200 feet AGL, the minimum
A) 1,000 feet.		
B) 1,500 feet.		
C) 2,000 feet.		
225.	PLT393	PVT
What minimum radio e	equipment is required for operation within	Class C airspace?
A) Two-way radio com	munications equipment and a 4096-code	e transponder.
B) Two-way radio com	munications equipment, a 4096-code tra	nsponder, and DME.
C) Two-way radio com	munications equipment, a 4096-code tra	nsponder, and an encoding altimeter.
226.	PLT161	PVT
In which type of airspa	ce are VFR flights prohibited?	
A) Class A.		
B) Class B.		
C) Class C.		
227.	PLT497	PVT
An operable 4096-cod	e transponder and Mode C encoding altir	meter are required in

A) Class B airspace a B) Class D airspace.	and within 30 miles of th	e Class B primary airport.
•	pelow 10,000 feet MSL.	
228.	PLT161	PVT
A) Recreational Pilot (Certificate.	or operation within Class B airspace? ertificate with appropriate logbook endorsements.
C) Private Pilot Certifi	cate with an instrument	rating.
229.	PLT163	PVT
	space, the minimum flig 00 feet MSL during dayli	ht visibility requirement for VFR flight above 1,200 feet ght hours is
230.	PLT374	PVT
Who is primarily responsible A) Owner or operator. B) Pilot-in-command. C) Mechanic.	_	an aircraft in airworthy condition?
231.	PLT383	PVT
experimental certificat A) beneath the floor o	te	person may operate an aircraft that has an gested airway.
C) from the primary ai	irport within Class D airs	space.
232.	PLT374	PVT
The responsibility for that of the	ensuring that an aircraft	is maintained in an airworthy condition is primarily
A) pilot in command.		
B) owner or operator.	•	
C) mechanic who perf	forms the work.	
233.	PLT463	PVT
No person may attem	pt to act as a crewmem	ber of a civil aircraft with

A) .008 percent by wei	ght or more alcohol in the blood.	
B) .004 percent by wei	ght or more alcohol in the blood.	
C) .04 percent by weig	ht or more alcohol in the blood.	
234.	PLT463	PVT
Under what condition, drugs to be carried abo	if any, may a pilot allow a person who i pard an aircraft?	s obviously under the influence of
A) In an emergency or	if the person is a medical patient unde	r proper care.
B) Only if the person d	oes not have access to the cockpit or p	oilot's compartment.
C) Under no condition.		
235.	PLT463	PVT
-	as a crewmember of a civil aircraft if alc son within the preceding	coholic beverages have been
A) 8 hours.		
B) 12 hours.		
C) 24 hours.		
236.	PLT372	PVT
Completion of an annube indicated by	al condition inspection and the return o	of the aircraft to service should always
A) the relicensing date	on the Registration Certificate.	
B) an appropriate nota	tion in the aircraft maintenance records	S.
C) an inspection sticke date.	er placed on the instrument panel that li	sts the annual inspection completion
237.	PLT403	PVT
When would a pilot be to deviate from an ATC	required to submit a detailed report of clearance?	an emergency which caused the pilot
A) Within 48 hours if re	equested by ATC.	
B) Immediately.		
C) Within 7 days.		
238.	PLT163	PVT
Normal VFR operation visibility to be at least	s in Class D airspace with an operating	g control tower require the ceiling and
A) 1,000 feet and 1 mil	le.	
B) 1,000 feet and 3 mil	les.	
C) 2,500 feet and 3 mi	les.	

239.	PLT431	PVT
No person may	y operate an aircraft in formation	flight
A) over a dens	ely populated area.	
B) in Class D a	irspace under special VFR.	
C) except by p	rior arrangement with the pilot in	command of each aircraft.
240.	PLT413	PVT
What is the spe	ecific fuel requirement for flight u	nder VFR during daylight hours in an airplane?
A) Enough to c	complete the flight at normal cruis	sing speed with adverse wind conditions.
B) Enough to fl cruising speed	•	nding and to fly after that for 30 minutes at normal
C) Enough to foruising speed		nding and to fly after that for 45 minutes at normal
241.	PLT413	PVT
What is the spe	ecific fuel requirement for flight u	nder VFR at night in an airplane?
A) Enough to c	complete the flight at normal cruis	sing speed with adverse wind conditions.
B) Enough to fl cruising speed	•	nding and to fly after that for 30 minutes at normal
C) Enough to foruising speed	•	nding and to fly after that for 45 minutes at normal
242.	PLT141	PVT
A steady greer pilot	n light signal directed from the co	ntrol tower to an aircraft in flight is a signal that the
A) is cleared to	land.	
B) should give	way to other aircraft and continu	e circling.
C) should retur	n for landing.	
243.	PLT372	PVT
An aircraft' s ai be due no later		on July 12, this year. The next annual inspection will
A) July 1, next	year.	
B) July 13, nex	t year.	
C) July 31, nex	ct year.	
244.	PLT405	PVT
A chair-type pa		I by a certificated and appropriately rated parachute

A) 60 days. B) 90 days. C) 120 days.		
245.	PLT405	PVT
An approved chair-type p	parachute may be carried in an aircraft for e ely rated parachute rigger within the preced	mergency use if it has been
246.	PLT444	PVT
and is given priority? A) Take no special action	propriate if the pilot deviates from an ATC in a since you are pilot in command.	
•	within 48 hours to the chief of the appropriat A Administrator, as soon as possible.	e ATC facility, if requested.
247. Who is responsible for de A) A certificated aircraft r B) The pilot in command		PVT fe flight?
C) The owner or operato		
248.	PLT444	PVT
If an in-flight emergency requires immediate action, the pilot in command may A) deviate from any rule of 14 CFR part 91 to the extent required to meet the emergency, but must submit a written report to the Administrator within 24 hours. B) deviate from any rule of 14 CFR part 91 to the extent required to meet that emergency. C) not deviate from any rule of 14 CFR part 91 unless prior to the deviation approval is granted by the Administrator.		
A) Only in an emergencyB) If precautions are take	PLT401 hay objects be dropped from an aircraft? y. en to avoid injury or damage to persons or preceived from the Federal Aviation Administr	
250.	PLT440	PVT

Flight crewmem A) takeoffs and B) all flight cond C) flight in turbu	landings. itions.	safety belts and shoulder harnesses fastened during
251.	PLT444	PVT
A) When operat B) If an ATC cle	ing in Class A airspace at nigh arance is not understood and	
A) Check the air B) Become fami	PLT445 action is specifically required of craft logbooks for appropriate liar with all available information turbulence avoidance proced	entries. on concerning the flight.
regulations spec A) review traffic B) check the acc	cifically require the pilot in come control light signal procedures curacy of the navigation equipation	
A) Glider. B) Airship.	PLT414 as the right-of-way over the otl	PVT ner aircraft listed?
A) The faster air B) The aircraft o	PLT414 equired when two aircraft of the craft shall give way. In the left shall give way. Ishall give way to the right.	PVT e same category converge, but not head-on?
256.	PLT414	PVT

A seaplane and a which has the righ		courses. If the motorboat is to the left of the seaplane,
A) The motorboat.		
B) The seaplane.		
C) Both should alto	er course to the right.	
257.	PLT161	PVT
What are the minir at night?	mum requirements for airpla	ane operations under special VFR in Class D airspace
A) The airplane m	ust be under radar surveilla	nce at all times while in Class D airspace.
B) The airplane m	ust be equipped for IFR with	n an altitude reporting transponder.
C) The pilot must I	be instrument rated, and the	e airplane must be IFR equipped.
258.	PLT376	PVT
A special VFR clear airspace when the	•	of an aircraft to operate VFR while within Class D
A) less than 1 mile	e and the ceiling is less than	1,000 feet.
B) at least 1 mile a	and the aircraft can remain o	clear of clouds.
C) at least 3 miles	and the aircraft can remain	clear of clouds.
259.	PLT161	PVT
An operable 4096	-code transponder with an e	encoding altimeter is required in which airspace?
A) Class A, Class	B (and within 30 miles of th	e Class B primary airport), and Class C.
•	ass E (below 10,000 feet M	•
C) Class D and Cl	ass G (below 10,000 feet M	SL).
260.	PLT044	PVT
Unless otherwise a landings or takeoff		ommunications with Air Traffic Control are required for
A) at all tower con	trolled airports regardless o	f weather conditions.
B) at all tower con	trolled airports only when w	eather conditions are less than VFR.
C) at all tower con than VFR.	trolled airports within Class	D airspace only when weather conditions are less
261.	PLT366	PVT
Which incident red	quires an immediate notifica	tion to the nearest NTSB field office?
A) A forced landing	g due to engine failure.	
B) Landing gear d	amage, due to a hard landir	ng.
C) Flight control sy	stem malfunction or failure	•

262.	PLT366	PVT
	lved in an accident w office should be noti	hich results in substantial damage to the aircraft, the fied
B) within 48 hours.		
C) within 7 days.		
263.	PLT366	PVT
report within how m		n involved in an accident is required to file an accident
A) 5.		
B) 7. C) 10.		
264.	PLT366	PVT
May aircraft wrecka	age be moved prior to	the time the NTSB takes custody?
A) Yes, but only if n	noved by a federal, s	state, or local law enforcement officer.
B) Yes, but only to	protect the wreckage	e from further damage.
C) No, it may not be	e moved under any o	ircumstances.
265.	PLT290	PVT
What information is	contained in a CON	VECTIVE SIGMET?
A) Tornadoes, emb	edded thunderstorm	s, and hail 3/4 inch or greater in diameter.
B) Severe icing, sev	vere turbulence, or w	videspread dust storms lowering visibility to less than 3 miles
C) Surface winds grocessor (VIP) lev		or thunderstorms equal to or greater than video integrator
266.	PLT290	PVT
Which in-flight advisthunderstorms?	sory would contain ir	nformation on severe icing not associated with
A) Convective SIGN	MET.	
B) SIGMET.		
C) AIRMET.		
267.	PLT290	PVT
SIGMETs are issue	ed as a warning of we	eather conditions hazardous to which aircraft?
A) Small aircraft on	ly.	
B) Large aircraft on	ly.	

C) All aircraft.		
268. AIRMETs are advisorie and are intended for di A) only IFR pilots. B) only VFR pilots. C) all pilots.	PLT290 es of significant weather phenomena but of lessemination to	PVT lower intensities than Sigmets
269.When requesting weatA) an outlook briefing.B) a standard briefing.C) an abbreviated briefing.	PLT514 her information for the following morning, a fing.	PVT pilot should request
When the term 'light ar and windspeed isA) 0000 and less thanB) 9900 and less thanC) 9999 and less than	5 knots.	PVT Aloft Forecast, the coded group
271.What values are usedA) Magnetic direction aB) Magnetic direction aC) True direction and k	and miles per hour.	PVT
272. (Refer to figure 17.) What A) 230° true at 32 knot B) 230° true at 25 knot C) 230° magnetic at 25°	S.	PVT
A) lowest reported obs	PLT026 ceiling is defined as the height above the E curation and the highest layer of clouds reperented in the compact of the compact layer or vertical visibility into an observant	orted as overcast.

C) lowest layer of cloud	s reported as scattered, broken, or thin.	
274. (Refer to figure 12.) The A) 180° true at 4 knots. B) 180° magnetic at 4 k C) 040° true at 18 knots		PVT
		PVT ed. This entry means
A) Sky 700 feet overcas B) Sky 7000 feet overcas	PLT059 at are the current conditions depicted for Chet, visibility 1-1/2SM, rain. ast, visibility 1-1/2SM, heavy rain. ast, visibility 11, occasionally 2SM, with rain.	PVT icago Midway Airport (KMDW)?
277. (Refer to figure 12.) Wh A) All. B) KINK, KBOI, and KJI C) KINK, KBOI, and KL		PVT ner?
278.When telephoning a weA) the aircraft identificatB) true airspeed.C) fuel on board.	PLT514 ather briefing facility for preflight weather infection or the pilot's name.	PVT ormation, pilots should state
279. Below FL180, en route (A) 122.0 MHz. B) 122.1 MHz. C) 123.6 MHz.	PLT515 weather advisories should be obtained from	PVT an FSS on

280. (Refer to figure 1	PLT061 4.) The intensity of the tu	PVT rbulence reported at a specific altitude is
A) moderate at 5 B) moderate fron	,500 feet and at 7,200 fe n 5,500 feet to 7,200 feet	et.
C) light from 5,50	00 feet to 7,200 feet.	
281.	PLT061	PVT
A) 1,800 feet MS B) 5,500 feet AG	4.) The base and tops of L and 5,500 feet MSL. L and 7,200 feet MSL. L and 8,900 feet MSL.	the overcast layer reported by a pilot are
282.	PLT061	PVT
(Refer to figure 1 of the base of the A) 505 feet AGL. B) 1,295 feet AGCC) 6,586 feet AG	e ceiling?	is 1,295 feet MSL, what is the height above ground level
283.	PLT061	PVT
(Refer to figure 1 A) light to moder B) light to moder C) light to moder	ate. ate clear.	e of icing reported by a pilot is
284.	PLT061	PVT
	4.) The wind and temper PH and -9 °F. ots and -7 °C.	ature at 12,000 feet MSL as reported by a pilot are
285. (Refer to figure 1 A) 1200Z to 1200 B) 1200Z to 1800 C) 1800Z to 1800)Z.)Z.	PVT od for the TAF for KMEM?
286.	PLT072	PVT

A) overcast at 2,000 feet B) overcast at 200 feet forecast period between	with the probability of becoming overcast at	vercast at 600 feet during the
287. (Refer to figure 15.) Durk KOKC? A) Greater than 6 statut B) Possibly 6 statute mid C) Not forecasted.		PVT hat visibility is forecast for
288.(Refer to figure 15.) TheA) Nimbostratus.B) Cumulonimbus.C) Scattered cumulus.	PLT072 e only cloud type forecast in TAF reports is	PVT
289.To get a complete weatA) a general briefing.B) an abbreviated briefing.C) a standard briefing.	PLT514 her briefing for the planned flight, the pilot sl	PVT hould request
290.Which type weather brid weather information hasA) Outlook briefing.B) Abbreviated briefing.C) Standard briefing.		PVT within the hour, if no preliminary
charts? A) Lines and cells of ha	PLT353 vided by the Radar Summary Chart that is n zardous thunderstorms. ation between reporting stations. veen reporting stations.	PVT ot shown on other weather

	PLT068	PVT
(Refer to figure 20.) Ir Weather Prognostic C	nterpret the weather symbol depicted in Utah Chart.	on the 12-hour Significant
A) Moderate turbulen	ce, surface to 18,000 feet.	
B) Thunderstorm tops	s at 18,000 feet.	
C) Base of clear air tu	urbulence, 18,000 feet.	
293.	PLT289	PVT
(Refer to figure 18.) V	Vhat weather phenomenon is causing IFR co	nditions in central Oklahoma?
A) Low visibility only.		
B) Low ceilings and v	-	
C) Heavy rain shower	S.	
294.	PLT075	PVT
(Refer to figure 18.) T	he marginal weather in central Kentucky is d	ue to low
A) ceiling.		
B) visibility.		
C) ceiling and visibility	y.	
295.	PLT289	PVT
(Refer to figure 18.) C	of what value is the Weather Depiction Chart	to the pilot?
A) For determining ge	eneral weather conditions on which to base fl	ght planning.
	loud coverage, visibilities, and frontal activity.	
B) For a forecast of cl	,	
•	ontal trends and air mass characteristics.	
•	-	PVT
C) For determining from 296.	ontal trends and air mass characteristics.	PVT
C) For determining from 296.	ontal trends and air mass characteristics. PLT071	PVT
C) For determining from 296. (Refer to figure 18.) T	ontal trends and air mass characteristics. PLT071	PVT
C) For determining from 296. (Refer to figure 18.) The A) intermittent rain.	ontal trends and air mass characteristics. PLT071	PVT
C) For determining from 296. (Refer to figure 18.) The A) intermittent rain. B) low ceilings.	ontal trends and air mass characteristics. PLT071	PVT
C) For determining from 296. (Refer to figure 18.) The A) intermittent rain. B) low ceilings. C) dust devils.	PLT289 What is the status of the front that extends fro	PVT
C) For determining from 296. (Refer to figure 18.) The A) intermittent rain. B) low ceilings. C) dust devils. 297. (Refer to figure 18.) When the Company of	PLT289 What is the status of the front that extends fro	PVT
C) For determining from 296. (Refer to figure 18.) To A) intermittent rain. B) low ceilings. C) dust devils. 297. (Refer to figure 18.) We peninsula of Michigan	PLT289 What is the status of the front that extends fro	PVT

298.	PLT075	PVT
(Refer to figure 18.) Accountern Michigan to no	cording to the Weather Depiction Chart, the orth Indiana is ceilings	weather for a flight from
A) less than 1,000 feet	and/or visibility less than 3 miles.	
B) greater than 3, 000 f	feet and visibility greater than 5 miles.	
C) 1,000 to 3,000 feet a	and/or visibility 3 to 5 miles.	
299.	PLT290	PVT
What is indicated when	a current CONVECTIVE SIGMET forecasts	thunderstorms?
A) Moderate thunderstoB) Moderate or severe	orms covering 30 percent of the area. turbulence.	
C) Thunderstorms obse	cured by massive cloud layers.	
300.	PLT192	PVT
The suffix 'nimbus,' use	ed in naming clouds, means	
A) a cloud with extensive	ve vertical development.	
B) a rain cloud.		
C) a middle cloud conta	aining ice pellets.	
301.	PLT192	PVT
Clouds are divided into	four families according to their	
A) outward shape.		
B) height range.		
C) composition.		
302.	PLT192	PVT
An almond or lens-shap or more, is referred to a	ped cloud which appears stationary, but which	ch may contain winds of 50 knots
A) an inactive frontal cle		
B) a funnel cloud.		
C) a lenticular cloud.		
303.	PLT192	PVT
Crests of standing mou	ıntain waves may be marked by stationary, le	ens-shaped clouds known as
A) mammatocumulus c	louds.	
B) standing lenticular cl	louds.	
C) roll clouds.		

304.	PLT192	PVT
What cloud types would A) Cirrus clouds.	indicate convective turbulence?	
B) Nimbostratus clouds.		
C) Towering cumulus clo	ouds.	
305.	PLT192	PVT
What clouds have the gr	eatest turbulence?	
A) Towering cumulus.		
B) Cumulonimbus. C) Nimbostratus.		
306.	PLT226	PVT
What situation is most co	onducive to the formation of radiation fog?	
A) Warm, moist air over	low, flatland areas on clear, calm nights.	
B) Moist, tropical air mov	ving over cold, offshore water.	
C) The movement of col	d air over much warmer water.	
307.	PLT512	PVT
If the temperature/dewpo	oint spread is small and decreasing, and the ely to develop?	temperature is 62 °F, what
A) Freezing precipitation	1.	
B) Thunderstorms.		
C) Fog or low clouds.		
308.	PLT226	PVT
In which situation is adve	ection fog most likely to form?	
A) A warm, moist air ma	ss on the windward side of mountains.	
,	nland from the coast in winter.	
C) A light breeze blowing	g colder air out to sea.	
309.	PLT226	PVT
What types of fog depen	nd upon wind in order to exist?	
A) Radiation fog and ice	fog.	
B) Steam fog and groun	d fog.	
C) Advection fog and up	slope fog.	
310.	PLT511	PVT

One of the most eas	sily recognized discontinuities a	cross a front is
A) a change in temp	erature.	
B) an increase in clo	oud coverage.	
C) an increase in rel	lative humidity.	
311.	PLT511	PVT
One weather phenor	menon which will always occur	when flying across a front is a change in the
A) wind direction.		
B) type of precipitati	on.	
C) stability of the air	mass.	
312.	PLT511	PVT
Steady precipitation	preceding a front is an indication	on of
A) stratiform clouds	with moderate turbulence.	
B) cumuliform cloud	s with little or no turbulence.	
C) stratiform clouds	with little or no turbulence.	
313.	PLT274	PVT
One in-flight condition	on necessary for structural icing	to form is
A) small temperature	e/dewpoint spread.	
B) stratiform clouds.		
C) visible moisture.		
314.	PLT274	PVT
In which environmer	nt is aircraft structural ice most l	ikely to have the highest accumulation rate?
A) Cumulus clouds v	with below freezing temperature	es.
B) Freezing drizzle.		
C) Freezing rain.		
315.	PLT226	PVT
Low-level turbulence	e can occur and icing can becor	ne hazardous in which type of fog?
A) Rain-induced fog		
B) Upslope fog.		
C) Steam fog.		
316.	PLT512	PVT
What is meant by the	e term 'dewpoint'?	
A) The temperature	at which condensation and eva	poration are equal.

B) The temperature a	t which dew will always	form.
C) The temperature to	o which air must be coo	led to become saturated.
317.	PLT512	PVT
The amount of water	vapor which air can hol	d depends on the
A) dewpoint.		
B) air temperature.		
C) stability of the air.		
318.	PLT512	PVT
Clouds, fog, or dew w	rill always form when	
A) water vapor conde	nses.	
B) water vapor is pres	sent.	
C) relative humidity re	eaches 100 percent.	
319.	PLT512	PVT
What are the process	es by which moisture is	added to unsaturated air?
A) Evaporation and s	ublimation.	
B) Heating and conde	ensation.	
C) Supersaturation ar	nd evaporation.	
320.	PLT493	PVT
Which conditions resu	ult in the formation of fro	st?
A) The temperature o fall on the surface.	f the collecting surface	s at or below freezing when small droplets of moisture
B) The temperature o dewpoint is below free	_	s at or below the dewpoint of the adjacent air and the
C) The temperature o on the collecting surfa		at or below freezing when small drops of moisture fall
321.	PLT301	PVT
The presence of ice p	ellets at the surface is	evidence that there
A) are thunderstorms	in the area.	
B) has been cold fron	tal passage.	
C) is a temperature in	version with freezing ra	in at a higher altitude.
322.	PLT206	PVT
Which factor would te	end to increase the dens	ity altitude at a given airport?
A) An increase in bard	ometric pressure.	

B) An increase in ambier	nt temperature.	
C) A decrease in relative	humidity.	
323.	PLT345	PVT
What are the standard te	emperature and pressure values for sea leve	el?
A) 15 °C and 29.92 inche	es Hg.	
B) 59 °C and 1013.2 mill	ibars.	
C) 59 °F and 29.92 millib	pars.	
324.	PLT023	PVT
Under which condition w	ill pressure altitude be equal to true altitude	?
A) When the atmospheri	c pressure is 29.92 inches Hg.	
B) When standard atmos	spheric conditions exist.	
C) When indicated altitud	de is equal to the pressure altitude.	
325.	PLT345	PVT
Under what condition is	pressure altitude and density altitude the sa	me value?
A) At sea level, when the	e temperature is 0 °F.	
B) When the altimeter ha	as no installation error.	
C) At standard temperate	ure.	
326.	PLT167	PVT
If a flight is made from an setting being adjusted, the	n area of low pressure into an area of high p ne altimeter will indicate	pressure without the altimeter
A) the actual altitude abo	ove sea level.	
B) higher than the actual	altitude above sea level.	
C) lower than the actual	altitude above sea level.	
327.	PLT023	PVT
Under what condition wil	I true altitude be lower than indicated altitud	le?
A) In colder than standar	rd air temperature.	
B) In warmer than standa	ard air temperature.	
C) When density altitude	is higher than indicated altitude.	
328.	PLT512	PVT
What is the approximate MSL is 70 °F and the de	base of the cumulus clouds if the surface a wpoint is 48 °F?	ir temperature at 1,000 feet
A) 4,000 feet MSL.		

B) 5,000 feet MSL.C) 6,000 feet MSL.		
329. PL What are characteristics of a A) Cumuliform clouds and si B) Poor visibility and smooth C) Stratiform clouds and sho	howery precipitation. n air.	PVT
330. PL What are characteristics of u A) Turbulence and good sur B) Turbulence and poor surf C) Nimbostratus clouds and	face visibility. face visibility.	PVT
	.T511 ely to have which characteristic?	PVT
332. PL Moist, stable air flowing ups A) produce stratus type clou B) cause showers and thunc C) develop convective turbu	ds. derstorms.	PVT
	.T492 with a temperature inversion? ain slopes.	PVT
If an unstable air mass is for A) Stratus clouds with little vB) Stratus clouds with considerations of the consideration of the conside	T192 rced upward, what type clouds can be expertical development. derable associated turbulence. e vertical development and associated tur	

335.	PLT173	PVT
What measure	ement can be used to determine the	e stability of the atmosphere?
A) Atmospheri	c pressure.	
B) Actual laps	e rate.	
C) Surface ter	nperature.	
336.	PLT173	PVT
What would de	ecrease the stability of an air mass	?
A) Warming from	om below.	
B) Cooling from	m below.	
C) Decrease i	n water vapor.	
337.	PLT173	PVT
What is a char	racteristic of stable air?	
A) Stratiform of	clouds.	
B) Unlimited v	isibility.	
C) Cumulus cl	ouds.	
338.	PLT512	PVT
Every physica	I process of weather is accompanion	ed by, or is the result of, a
A) movement	of air.	
B) pressure di	fferential.	
C) heat excha	nge.	
339.	PLT165	PVT
What causes v	variations in altimeter settings betw	een weather reporting points?
A) Unequal he	eating of the Earth's surface.	
B) Variation of	terrain elevation.	
C) Coriolis for	ce.	
340.	PLT301	PVT
A temperature	inversion would most likely result	in which weather condition?
A) Clouds with	n extensive vertical development at	oove an inversion aloft.
B) Good visibi	lity in the lower levels of the atmos	phere and poor visibility above an inversion aloft.
C) An increase	e in temperature as altitude is incre	ased.
341.	PLT301	PVT

The most frequent t by	ype of ground or surface-base	ed temperature inversion is that which is prod	duced
A) terrestrial radiation	on on a clear, relatively still ni	ght.	
B) warm air being li	fted rapidly aloft in the vicinity	of mountainous terrain.	
		the movement of warm air over cold air.	
342.	PLT301	PVT	
Which weather cond when the relative hu	•	neath a low-level temperature inversion laye	:r
A) Smooth air, poor	visibility, fog, haze, or low clo	uds.	
B) Light wind shear	, poor visibility, haze, and ligh	train.	
C) Turbulent air, po	or visibility, fog, low stratus ty	pe clouds, and showery precipitation.	
343.	PLT495	PVT	
•		g of the mature stage of a thunderstorm?	
A) The appearance	•		
B) Precipitation beg	inning to fall.		
C) Maximum growth	rate of the clouds.		
344.	PLT192	PVT	
	aining an excess of condensa	nulonimbus clouds are a lifting action and tion nuclei.	
C) either stable or u	nstable air.		
345.	PLT495	PVT	
What conditions are	necessary for the formation of	of thunderstorms?	
A) High humidity, lif	ting force, and unstable condi	tions.	
B) High humidity, hi	gh temperature, and cumulus	clouds.	
C) Lifting force, moi	st air, and extensive cloud co	/er.	
346.	PLT495	PVT	
During the life cycle	of a thunderstorm, which stage	ge is characterized predominately by downdr	rafts?
A) Cumulus.			
B) Dissipating.			
C) Mature.			
347.	PLT495	PVT	

Thunderstorms reach t	their greatest intensity during the	
A) mature stage.		
B) downdraft stage.		
C) cumulus stage.		
348.	PLT495	PVT
Thunderstorms which	generally produce the most intense hazard t	o aircraft are
A) squall line thunders	torms.	
B) steady-state thunde	erstorms.	
C) warm front thunders	storms.	
349.	PLT495	PVT
A nonfrontal, narrow baknown as a	and of active thunderstorms that often devel	op ahead of a cold front is a
A) prefrontal system.		
B) squall line.		
C) dry line.		
350.	PLT495	PVT
	n activity in the vicinity of an airport at which c phenomenon might be expected on the lar	•
A) Precipitation static.		
B) Wind-shear turbuler	nce.	
C) Steady rain.		
351.	PLT263	PVT
Upon encountering ser A) Constant altitude ar B) Constant angle of a C) Level flight attitude.	ttack.	d the pilot attempt to maintain?
352.	PLT495	PVT
What feature is norma A) Roll cloud. B) Continuous updraft. C) Frequent lightning.	lly associated with the cumulus stage of a th	understorm?
353.	PLT495	PVT

Which weather page of the Which weather page of the White Page of	ohenomenon is always associa	ted with a thunderstorm?
354.	PLT516	PVT
The wind at 5,00 direction is prima	•	nile the surface wind is southerly. This difference in
	sure gradient at higher altitude	5.
•	en the wind and the surface.	
C) stronger Cori	olis force at the surface.	
355.	PLT518	PVT
Where does win	d shear occur?	
A) Only at highe	er altitudes.	
B) Only at lower	altitudes.	
C) At all altitude	s, in all directions.	
356.	PLT518	PVT
When may haza	ardous wind shear be expected	?
A) When stable clouds.	air crosses a mountain barrier	where it tends to flow in layers forming lenticular
B) In areas of lo	w-level temperature inversion,	rontal zones, and clear air turbulence.
C) Following fro	ntal passage when stratocumul	us clouds form indicating mechanical mixing.
357.	PLT518	PVT
	ct a wind-shear zone in a temp ove the surface is at least	erature inversion whenever the windspeed at 2,000
A) 10 knots.		
B) 15 knots.		
C) 25 knots.		
358.	PLT328	PVT
Loading an airpl	ane to the most aft CG will cau	se the airplane to be
A) less stable at	all speeds.	
B) less stable at	slow speeds, but more stable a	at high speeds.
C) less stable at	t high speeds, but more stable a	at low speeds.

359. PLT021 PVT

(Refer to figures 33 and 34.) What is the maximum amount of baggage that can be carried when the airplane is loaded as follows? 387 lb Front seat occupants 293 lb Rear seat occupants Fuel 35 gal A) 45 pounds. B) 63 pounds. C) 220 pounds. 360. PLT021 **PVT GIVEN: WEIGHT** ARM MOMENT (LB) (IN) (LB-IN) **Empty weight** 1,495.0 101.4 151,593.0 Pilot and passengers 380.0 64.0 Fuel (30 gal usable no reserve) 96.0 The CG is located how far aft of datum? A) CG 92.44. B) CG 94.01. C) CG 119.8. **PLT021 PVT** 361. An aircraft is loaded 110 pounds over maximum certificated gross weight. If fuel (gasoline) is drained to bring the aircraft weight within limits, how much fuel should be drained? A) 15.7 gallons. B) 16.2 gallons. C) 18.4 gallons. 362. PLT121 PVT (Refer to figures 33 and 34.) Determine if the airplane weight and balance is within limits. Front seat occupants 415 lb Rear seat occupants 110 lb Fuel, main tanks 44 gal Fuel, aux. tanks 19 gal 32 lb Baggage

- A) 19 pounds overweight, CG within limits.
- B) 19 pounds overweight, CG out of limits forward.
- C) Weight within limits, CG out of limits.

363.	PLT092	PVT
(Refer to figure 35.) What is the maximum amo airplane for the CG to remain within the momer		oard the
	WEIGHT (LB)	MOM/1000
Empty weight	1,350	51.5
Pilot and front passenger	250	
Rear passengers	400	
Baggage		
Fuel, 30 gal		
Oil, 8 qt		-0.2
A) 105 pounds.		
B) 110 pounds.		
C) 120 pounds.		
364.	PLT092	PVT
(Refer to figure 35.) Calculate the moment of the applicable.	le allipiane and determine which categories	Jiy is
	WEIGHT (LB)	MOM/1000
Empty weight	1,350	51.5
Pilot and front passenger	310	
Rear passengers	96	
Fuel, 38 gal		
Oil, 8 qt		-0.2
A) 79.2, utility category.		
B) 80.8, utility category.		
C) 81.2, normal category.		
365.	PLT092	PVT
(Refer to figure 35.) What is the maximum amo		
takeoff if loaded as follows?	•	
	WEIGHT (LB)	MOM/1000
Empty weight	1,350	51.5
Pilot and front passenger	340	
_		

310

45

Rear passengers

Baggage

Oil, 8 qt

A) 24 gallons.

B) 32 gallons.		
C) 40 gallons.		
366.	PLT003	PVT
•		that the CG is located aft of the aft CG limit. One perience with this airplane would be
A) a longer take	off run.	
B) difficulty in re	covering from a stalled conditio	n.
C) stalling at hig	her-than-normal airspeed.	
367.	PLT351	PVT
What is an adva	ntage of a constant-speed prop	eller?
A) Permits the p	ilot to select and maintain a des	sired cruising speed.
B) Permits the p	ilot to select the blade angle for	the most efficient performance.
C) Provides a sr	moother operation with stable R	PM and eliminates vibrations.
368.	PLT012	PVT
•	n crosses the 216° radial of Alle	5, a flight crosses the 248° radial of Allendale VOR andale VOR at 1000. What is the estimated time of
A) 1023.		
B) 1028.		
C) 1036.		
369.	PLT395	PVT
What is the defir	nition of a high-performance airp	plane?
A) An airplane w	vith 180 horsepower, or retracta	ble landing gear, flaps, and a fixed-pitch propeller.
B) An airplane w	vith an engine of more than 200	horsepower.
C) An airplane w	vith a normal cruise speed in ex	cess of 200 knots.
370.	PLT442	PVT
	perience requirements for night engers may be carried is	flight are not met and official sunset is 1830, the
A) 1829.		
B) 1859.		
C) 1929.		
371.	PLT465	PVT
With certain exc	eptions, safety belts are require	ed to be secured about passengers during

A) taxi, takeoffs,	and landings.	
B) all flight cond	itions.	
C) flight in turbu	lent air.	
372.	PLT445	PVT
Preflight action,	as required for all flights away	from the vicinity of an airport, shall include
-	on of an alternate airport.	
B) a study of arr	rival procedures at airports/ heli	ports of intended use.
C) an alternate	course of action if the flight can	not be completed as planned.
373.	PLT123	PVT
The term 'weigh	-off' means to determine the	
A) static equilibr	ium of the balloon as loaded fo	r flight.
B) amount of ga	s required for an ascent to a pr	eselected altitude.
C) standard wei	ght and balance of the balloon.	
374.	PLT251	PVT
How should a ba	alloon fuel system be checked	for leaks prior to flight?
A) Listen and sn	nell.	
B) Check all cor	nnections with a lighted match.	
C) Cover all con	nections and tubing with soapy	water.
375.	PLT393	PVT
What action sho	ould a pilot take when operating	under VFR in a Military Operations Area (MOA)?
A) Obtain a clea	rance from the controlling ager	ncy prior to entering the MOA.
B) Operate only	on the airways that transverse	the MOA.
C) Exercise extr	eme caution when military active	vity is being conducted.
376.	PLT393	PVT
A balloon flight t	hrough a restricted area is	
A) permitted at o	certain times, but only with prio	r permission by the appropriate authority.
B) permitted any	time, but caution should be ex	ercised because of high-speed military aircraft.
C) never permit	ted.	
377.	PLT393	PVT
Under what con	dition, if any, may pilots fly thro	ugh a restricted area?
A) When flying o	on airways with an ATC clearar	ice.
B) With the cont	rolling agency's authorization.	

C) Regulations	do not allow this.	
378.	PLT208	PVT
	the vicinity of a thunderstorm?	ters unforecast weather and shifts direction
•	and maintain the lowest altitude p	oossible.
•	•	uate obstacle clearance in all directions.
379.	PLT389	PVT
The minimum si	ze a launch site should be is at l	east
A) twice the heigh	ght of the balloon.	
B) 100 feet for e	every 1 knot of wind.	
C) 500 feet on t	he downwind side.	
380.	PLT237	PVT
What is the rela	tionship of false lift with the wind	?
A) False lift incr	eases as the wind accelerates th	ie balloon.
B) False lift doe	s not exist if the surface winds a	re calm.
C) False lift dec	reases as the wind accelerates t	he balloon.
381.	PLT064	PVT
lighted obstacle	•	at Flying S Airport drifts southward towards the urrent altimeter setting upon launch, what should it 500 feet above the top?
A) 1,531 feet M	SL.	
B) 1,809 feet M	SL.	
C) 3,649 feet M	SL.	
382.	PLT012	PVT
•	•	ned at Ranch Aero (Pvt) Airport with a reported wind mate position after 2 hours of flight?
A) Near Hackne	ey (Pvt) Airport.	
B) Crossing the	railroad southwest of Granite Ai	rport.
C) 3-1/2 miles s	outhwest of Rathdrum.	
383.	PLT012	PVT
•	•	the town of Eckelson on a magnetic course of 328° where will the balloon be after 2 hours 30 minutes?

A) Over Hoggar	th Airport (Pvt).	
B) 4.5 miles nor	th-north west of Hoggarth A	Airport (Pvt).
C) Over Buchan	an.	
384.	PLT064	PVT
•	ifts south-southwest. What	ched at CX Airport located near the east end of Lake is the approximate elevation of the highest terrain for 20
A) 2,000 - 4,000	feet MSL.	
B) 4,000 - 6,000	feet MSL.	
C) 6,000 - 7,000	feet MSL.	
385.	PLT078	PVT
•		coln Municipal from the west at noon for the purpose of vith
A) Lincoln Appro	oach Control on 124.0 MHz	, .•
B) Minneapolis (Center on 128.75 MHz.	
C) Lincoln Towe	er on 118.5 MHz.	
386.	PLT116	PVT
FAA advisory ci	rculars (some free, others a	at cost) are available to all pilots and are obtained by
A) distribution fr	om the nearest FAA district	t office.
B) ordering thos	e desired from the Governi	ment Printing Office.
C) subscribing to	o the Federal Register.	
387.	PLT116	PVT
		natter specifically related to Airspace are issued under
which subject nu	•	nation opcombany rolated to 7 inopace are located and of
A) 60.		
B) 70.		
C) 90.		
388.	PLT116	PVT
FAA advisory ci which subject nu		natter specifically related to Airmen are issued under
A) 60.		
B) 70.		
C) 90.		

389.	PLT371	PVT
With respect to	the certification of airmen, which	is a category of aircraft?
•	helicopter, airship, free balloon.	
	torcraft, glider, lighter-than-air.	
	ne land and sea, multiengine land	and sea.
390.	PLT395	PVT
The definition of	of nighttime is	
A) sunset to su	ınrise.	
B) 1 hour after	sunset to 1 hour before sunrise.	
C) the time bet	ween the end of evening civil twili	ght and the beginning of morning civil twilight.
391.	PLT387	PVT
	anch of the new address, the pilot	address and fails to notify the FAA Airmen tis entitled to exercise the privileges of the pilot
A) 30 days afte	er the date of the move.	
B) 60 days afte	er the date of the move.	
C) 90 days afte	er the date of the move.	
392.	PLT449	PVT
	he satisfactory completion of a flig	g passengers, a pilot must show by logbook tht review or completion of a pilot proficiency check
A) 6 calendar r	months.	
B) 12 calendar	months.	
C) 24 calendar	months.	
393.	PLT427	PVT
	ing certified as a private pilot with at class of medical?	a balloon rating, the pilot must have in his or her
A) A third-class	s medical certificate.	
B) A statement	from a designated medical exam	iner.
C) A medical c	ertificate is not required.	
394.	PLT448	PVT
When must a r	ecreational pilot have a pilot-in-co	mmand flight check?
A) Every 400 h	ours.	
B) Every 180 d	lays.	

•	less than 400 total flight hours a preceding 180 days.	and has not flown as pilot in command in an
395.	PLT515	PVT
A) Winds Aloft Fo B) Winds Aloft Fo	ports and forecasts are most in recasts and Radar Summary C recasts and Surface Analysis C recasts and Aviation Routine W	Charts.
396.	PLT514	PVT
Which type of wean A) An outlook bries B) A supplementan C) An abbreviated	efing.	uest to supplement mass disseminated data?
397.	PLT353	PVT
B) location of pred	low ceilings and fog. cipitation along with type, intens cipitation along with type, intens	sity, and trend. sity, and cell movement of precipitation.
398.	PLT256	PVT
added at station 4 to adding the equi	3.8? The glider weighs 945 por ipment.	dio and oxygen equipment weighing 35 pounds is unds with a moment of 78,000.2 pound-inches prior
	ard 0.79 inch - out of limits forw	ard.
•	ard 1.38 inches - within limits38 inches - out of limits aft.	
399.	PLT237	PVT
The lifting forces volumes	which act on a hot air balloon a	re primarily the result of the interior air temperature
A) greater than ar	mbient temperature.	
B) less than ambi	•	
C) equal to ambie	ent temperature.	
400.	PLT057	PVT
` •		oon is 1,200 pounds and the maximum height the temperature to achieve this performance is

A) +37 °F. B) +70 °F. C) +97 °F.		
	PLT057 58.) What is the maximum altitude dard temperature exists at all altit	PVT for the balloon if the gross weight is 1,100 udes?
	PLT057 58.) What is the maximum altitude adard temperature exists at all altit	PVT for the balloon if the gross weight is 1,000 udes?
	PLT057 57.) The gross weight of the balloon (T) is +51°F. The maximum heigh	PVT on is 1,350 pounds and the outside air t would be
A) the burner pre B) that the pilot I	PLT177 puld be fired during preflight to detended in the valves and condition of the valves and functions properly on each tainly leaks in the tank.	
A) Propane is tra B) During transfe	-	the propane bottles under high pressure. rature and can cause severe burns.
406. Why should prop	PLT254 pane tanks not be refueled in a clo	PVT esed trailer or truck?

A) Propane vapo trailer.	r is one and one-half times he	avier than air and will linger in the floor of the truck or
B) The propane v	apor is odorless and the refue	lers may be overcome by the fumes.
C) Propane is ve	ry cold and could cause dama	ge to the truck or trailer.
407.	PLT250	PVT
	id propane is available, propar on the temperatures of	ne will vaporize sufficiently to provide proper
A) +30 to +90 °F.		
B) -44 to +25 °F.		
C) -51 to +20 °F.		
408.	PLT253	PVT
The initial temper	rature at which propane boils is	5
A) +32 °F.		
B) -44 °F.		
C) -60 °F.		
409.	PLT253	PVT
In hot air balloons	s, propane is preferred to buta	ne or other hydrocarbons because it
A) is less volatile		
B) is slower to va	porize.	
C) has a lower bo	piling point.	
410.	PLT251	PVT
	is available, within which temporessure for burner operation o	perature range will propane vaporize sufficiently to uring flight?
A) 0 to 30 °F.		
B) 10 to 30 °F.		
C) 30 to 90 °F.		
411.	PLT254	PVT
The valve located	d on each tank that indicates w	hen the tank is filled to 80 percent capacity is the
A) main tank valv	e.	
B) vapor-bleed va	alve.	
C) pilot valve.		
412.	PLT254	PVT

	e top of the propane tank which opens auton num allowable pressure is the	natically when the pressure in
A) pressure relief valve.		
B) metering valve.		
C) blast valve.		
,		
413.	PLT177	PVT
Burner efficiency of a ho above MSL?	ot air balloon decreases approximately what	percent for each 1,000 feet
A) 4 percent.		
B) 8 percent.		
C) 15 percent.		
414.	PLT177	PVT
	with a blast valve, the blast valve is used for	
A) climbs and descents		
B) altitude control.	only.	
•		
C) emergencies only.		
415.	PLT208	PVT
What action is most app	propriate when an envelope over-temperature	e condition occurs?
A) Throw all unnecessa	ry equipment overboard.	
B) Descend; hover in gr	ound effect until the envelope cools.	
C) Land as soon as pra	•	
,		
416.	PLT208	PVT
Prior to a high-wind land landing by	ding, the pilot in command should brief the pa	assengers to prepare for the
A) kneeling on the floor	and facing aft.	
B) crouching on the floo	or and jumping out of the basket upon contac	t with the ground.
C) crouching while hang	ging on in two places, and remaining in the b	asket until advised otherwise.
417.	PLT184	PVT
-	that it is necessary to deflate the envelope a ne deflation port (rip panel) be opened?	s rapidly as possible during a
A) The instant the gond	ola contacts the surface.	
B) As the balloon skips C) Just prior to ground o	off the surface the first time and the last of the contact.	ne ballast has been discharged

418.	PL1486	PVI
Which precaution shouly when the air is turbulen	Id be exercised if confronted with the necess t?	ity of having to land a balloon
A) Land in any available	e lake close to the upwind shore.	
B) Land in the center of	the largest available field.	
C) Land in the trees to	absorb shock forces, thus cushioning the lan	ding.
419.	PLT304	PVT
What is a recommende	d ascent upon initial launch?	
A) Maximum ascent to	altitude to avoid low-level thermals.	
B) Shallow ascent to av	oid flashbacks of flames as the envelope is	cooled.
C) A moderate-rate asc	ent to determine wind directions at different	evels.
420.	PLT237	PVT
What causes false lift w	hich sometimes occurs during launch proced	dures?
A) Closing the maneuve	ering vent too rapidly.	
•	ure within the envelope.	
C) Venturi effect of the	wind on the envelope.	
421.	PLT219	PVT
How should a roundout	from a moderate-rate ascent to level flight b	e made?
A) Reduce the amount	of heat gradually as the balloon is approachi	ng altitude.
·	y venting and add heat just before arriving at	
C) Vent at altitude and	add heat upon settling back down to altitude.	
422.	PLT219	PVT
What is a potential haza	ard when climbing at maximum rate?	
A) The envelope may c	ollapse.	
B) Deflation ports may	be forced open.	
C) The rapid flow of air	may extinguish the burner and pilot light.	
423.	PLT219	PVT
It may be possible to m	ake changes in the direction of flight in a hot	air balloon by
A) flying a constant atm	nospheric pressure gradient.	
B) operating at different	t flight altitudes.	
C) operating above the	friction level, if there is no gradient wind.	
424.	PLT125	PVT

What is a hazard	of rapid descents?	
A) Wind shear ca	n cavitate one side of the	envelope, forcing air out of the mouth.
B) The pilot light (cannot remain lit with the t	curbulent air over the basket.
C) Aerodynamic f	orces may collapse the er	rvelope.
425.	PLT130	PVT
In a balloon, best	fuel economy in level fligh	nt can be accomplished by
A) riding the haze	e line in a temperature inve	ersion.
B) short blasts of	heat at high frequency.	
C) long blasts of l	neat at low frequency.	
426.	PLT101	PVT
•	,	nd cloud clearance requirements to operate VFR during on between 1,200 feet AGL and 10,000 feet MSL are
A) 1 mile and clea	ar of clouds.	
B) 1 mile and 1,0	00 feet above, 500 feet be	elow, and 2,000 feet horizontally from clouds.
C) 3 miles and 1,	000 feet above, 500 feet b	pelow, and 2,000 feet horizontally from clouds.
427.	PLT411	PVT
three takeoffs and required, of the sa		rrying passengers, the pilot must have made at least raft of the same category, class, and if a type rating is eding
A) 90 days.	antha	
B) 12 calendar m		
C) 24 calendar m	onins.	
428.	PLT400	PVT
In addition to a va aircraft during flig		te, what documents or records must be aboard an
A) Aircraft engine	and airframe logbooks, a	nd owner's manual.
B) Radio operato	r's permit, and repair and a	alteration forms.
C) Operating limit	tations and Registration C	ertificate.
429.	PLT425	PVT
	documents shall the owner Airworthiness Directive?	er or operator of an aircraft keep to show compliance
A) Aircraft mainte	nance records.	
B) Airworthiness	Certificate and Pilot's Ope	rating Handbook.
C) Airworthiness	and Registration Certificat	es.

430.	PLT414	PVT
_	ht-of-way over all other air traffic?	
A) A balloon.		
B) An aircraft in distress.		
C) An aircraft on final ap	proach to land.	
431.	PLT514	PVT
the proposed departure t A) an outlook briefing. B) a forecast briefing.	s provided when the information requested is time is	s 6 or more hours in advance of
C) a prognostic briefing.		
432.	PLT316	PVT
A) as soon as possible a B) at 1500Z when the gr	ording to the weather briefing, the most ideal fter 1300Z. Sound will be partially shaded. Sis enough wind for cross-country.	I time to launch balloons is
433.	PLT316	PVT
A) soon after 1300Z as the B) about 1500Z when the	ording to the weather briefing, good balloon the wind starts to increase. e lower scattered clouds begin to form. o increase in wind conditions.	weather will begin to deteriorate
434.	PLT072	PVT
	veen 1000Z and 1200Z the visibility at KMEI	M is forecast to be?
435. (Refer to figure 15.) Wha A) No significant wind. B) Variable in direction a C) Variable in direction a		PVT until the end of the forecast?

436.	PLT072	PVT
`	e 15.) In the TAF from KOKC, the IZ with the wind from	e 'FM (FROM) Group' is forecast for the hours from
A) 180° at 10 I	knots.	
B) 160° at 10 I	knots.	
C) 180° at 10	knots, becoming 200° at 13 knot	S.
437.	PLT445	PVT
What should p information?	oilots state initially when telephon	ning a weather briefing facility for preflight weather
A) Tell the nur	mber of occupants on board.	
B) Identify the	mselves as pilots.	
C) State their	total flight time.	
438.	PLT353	PVT
(Refer to figure	e 19, area D.) What is the directi	on and speed of movement of the cell?
A) North at 17	knots.	
B) North at 17	MPH.	
C) South at 17	knots.	
439.	PLT063	PVT
(Refer to figure	e 19, area B.) What is the top for	precipitation of the radar return?
A) 24,000 feet	: AGL.	
B) 24,000 feet	: MSL.	
C) 2,400 feet I	MSL.	
440.	PLT353	PVT
What does the to?	e heavy dashed line that forms a	large rectangular box on a radar summary chart refer
A) Areas of he	eavy rain.	
B) Severe wea	ather watch area.	
C) Areas of ha	ail 1/4 inch in diameter.	
441.	PLT173	PVT
	orning weather observations indicented in the most of the day?	cate the possibility of good weather conditions for
A) Clear skies	and surface winds, 10 knots or I	ess.
B) Low moving	g, scattered cumulus clouds and	surface winds, 5 knots or less.
C) Overcast w	rith stratus clouds and surface wi	nds, 5 knots or less.

442.	PLT516	PVT
What condition does a	rising barometer indicate for balloon operation	ons?
A) Decreasing clouds	and wind.	
B) Chances of thunder	rstorms.	
C) Approaching fronta	l activity.	
443.	PLT057	PVT
approximately 1,000 fe	etermine the maximum weight allowable for peet with a temperature of 68 °F. Launch with	
A) 580 pounds.		
B) 620 pounds.		
C) 720 pounds.		
444.	PLT057	PVT
	etermine the maximum payload for a balloon	
A) 420 pounds.		
B) 465 pounds.		
C) 505 pounds.		
, ,		
445.	PLT177	PVT
What constitutes the p	ayload of a balloon?	
A) Total gross weight.		
B) Total weight of pass	sengers, cargo, and fuel.	
C) Weight of the aircra	aft and equipment.	
446.	PLT241	PVT
	ne forward motion necessary to move a glider	
A) Lift.	ic forward motion necessary to move a glider	through the an :
B) Centripetal force.		
C) Gravity.		
o, clavity.		
447.	PLT054	PVT
(Refer to figure 55.) W	hat approximate lift/drag ratio will the glider a	attain at 68 MPH in still air?
A) 10.5:1.		
B) 21.7:1.		
C) 28.5:1.		

448.	PLT221	PVT
What would be flight in a sailp	• •	use if the pilot is getting too low on a cross-country
A) Continue or approach.	n course until descending to 1,000	O feet above the ground and then plan the landing
B) Fly directly	into the wind and make a straight	in approach at the end of the glide.
•	able landing area selected upon in 1,500 feet AGL.	reaching 2,000 feet AGL, and a specific field chosen
449.	PLT219	PVT
	tionally enters a steep diving spirathout overstressing the glider?	al to the left. What is the proper way to recover from
A) Apply up-el	evator pressure to raise the nose	
B) Apply more tendency.	up-elevator pressure and then us	se right aileron pressure to control the overbanking
•	ack pressure and shallow the bared to the desired position.	nk; then apply up-elevator pressure until the nose
450.	PLT221	PVT
•	has become airborne and the tow ld release immediately,	plane loses power before leaving the ground. The
A) and maneu	ver to the right of the towplane.	
B) extend the	spoilers, and land straight ahead.	
C) and maneu	ver to the left of the towplane.	
451.	PLT221	PVT
How are forwa	rd slips normally performed?	
A) With the dir	ection of the slip away from any o	rosswind that exists.
B) With dive b	rakes or spoilers fully open.	
C) With rudder	r and aileron deflection on the sar	ne side.
452.	PLT221	PVT
An indication t	hat the glider has begun a turn to	o soon on aerotow is that the
A) glider's nos	e is pulled to the outside of the tu	rn.
B) towplane's	nose is pulled to the outside of the	e turn.
C) towplane w	ill pitch up.	
453.	PLT304	PVT

	hould the sailplane pilot take during takeoff in a sirborne and drifting to the left?	f the towplane is still on the
A) Crab into the wind by	holding upwind (right) rudder pressure.	
B) Crab into the wind so	as to maintain a position directly behind the	towplane.
C) Establish a right wing	low drift correction to remain in the flightpat	h of the towplane.
454.	PLT502	PVT
(Refer to figure 56.) Which	ch illustration is a signal that the glider is una	able to release?
A) 8.		
B) 10.		
C) 11.		
455.	PLT502	PVT
	ch illustration means the towplane cannot re	lease?
A) 6.		
B) 8.		
C) 9.		
456.	PLT502	PVT
(Refer to figure 56.) Illust	tration 3 means	
A) stop operations.		
B) release towline or stop	p engine now.	
C) take up slack.		
457.	PLT502	PVT
(Refer to figure 56.) Which	ch illustration is a signal to stop operation?	
A) 2.		
B) 3.		
C) 7.		
458.	PLT304	PVT
To stop pitch oscillation ((porpoising) during a winch launch, the pilot	should
A) release back pressure with the undulations.	e and then pull back against the cycle of pitc	hing oscillation to get in phase
B) signal the ground crev	w to increase the speed of the tow.	
C) relax the back pressu	re on the control stick and shallow the angle	of climb.
459.	PLT304	PVT

•		
460. (Refer to figure 56.) Whi A) 7. B) 10. C) 12.	PLT502 ch illustration is a signal to the towplane to r	PVT educe airspeed?
461. (Refer to figure 11.) Whi A) 3 and 6. B) 2 and 6. C) 2 and 4.	PLT185 ch yaw string and inclinometer illustrations in	PVT ndicate a slipping right turn?
462. A sailplane has a best g 2,000 feet? A) 10 nautical miles. B) 15 nautical miles. C) 21 nautical miles.	PLT006 lide ratio of 30:1. How many nautical miles w	PVT vill the glider travel while losing
463. A sailplane has lost 2,00 approximately A) 24:1. B) 27:1. C) 30:1.	PLT006 00 feet in 9 nautical miles. The best glide rati	PVT o for this sailplane is
464. How many feet will a glid A) 2,400 feet. B) 2,600 feet. C) 4,300 feet.	PLT012 der sink in 10 nautical miles if its lift/drag rati	PVT o is 23:1?
465.	PLT303	PVT

What is the proper airsponeadwind?	eed to use when flying between thermals on	a cross-country flight against a
A) The best lift/drag spec	ed increased by one-half the estimated wind	l velocity.
B) The minimum sink sp	eed increased by one-half the estimated wir	nd velocity.
C) The best lift/drag spe	ed decreased by one-half the estimated win	d velocity.
466.	PLT132	PVT
To obtain maximum distance A) minimum control spece B) best lift/drag speed. C) minimum sink speed.		s the
467.	PLT006	PVT
	lide ratio of 23:1. How many feet will the glid	
468.	PLT494	PVT
What corrective action sine left wing drops while	hould be taken if, while thermalling at minim turning to the left?	um sink speed in turbulent air,
A) Apply more opposite the overbanking tendence	(right) aileron pressure than opposite (right) by.	rudder pressure to counteract
B) Apply opposite (right)	rudder pressure to slow the rate of turn.	
C) Lower the nose befor	e applying opposite (right) aileron pressure.	
469.	PLT012	PVT
How many feet will a sai A) 2,700 feet. B) 3,600 feet. C) 4,100 feet.	lplane sink in 15 nautical miles if its lift/drag	ratio is 22:1?
470. (Refer to figure 55.) How A) 144 feet. B) 171 feet. C) 211 feet.	PLT054 many feet will the glider sink in 1 statute m	PVT ile at 53 MPH in still air?
471.	PLT054	PVT

(Refer to figure 55 A) 75 MPH. B) 79 MPH. C) 84 MPH.	5.) At what speed will the	glider attain a sink rate of 5 feet per second in still air?
472.	PLT054	PVT
		glider gain the most distance while descending 1,000
473.	PLT054	PVT
(Refer to figure 55 in still air? A) 132 feet. B) 170 feet. C) 180 feet.	5.) How many feet will the	e glider descend at minimum sink speed for 1 statute mile
474.	PLT012	PVT
` •	Jamestown Airport (are	over Barnes County Airport (area 6) with sufficient a 4), how long will it take for the flight at an average of 40
475.	PLT012	PVT
•	ast Airport, south of Cado	nched over Caddo Mills Airport with sufficient altitude to do Mills. How long will it take for the flight at an average of
476.	PLT447	PVT
Prior to becoming possession what	-	ot with a glider rating, the pilot must have in his or her
A) A third-class m	edical certificate.	

B) A statement from a C) A medical certifica	a designated medical examate is not required.	iner.
477.	PLT407	PVT
To act as pilot in com preceding 12 months		a glider, a pilot is required to have made within the
A) at least three flight	ts as observer in a glider be	eing towed by an aircraft.
B) at least three flight	ts in a powered glider.	
C) at least three actu	al or simulated glider tows	while accompanied by a qualified pilot.
478.	PLT381	PVT
If an altimeter setting altimeter?	is not available before fligh	nt, to which altitude should the pilot adjust the
A) The elevation of the	ne nearest airport corrected	to mean sea level.
B) The elevation of th	ne departure area.	
C) Pressure altitude of	corrected for nonstandard to	emperature.
479.	PLT444	PVT
The final authority as	to the operation of an aircr	aft is the
A) Federal Aviation A	dministration.	
B) pilot in command.		
C) aircraft manufactu	rer.	
480.	PLT496	PVT
The minimum allowal gross weight of 700 p		ed for an aerotow of a glider having a certificated
A) 560 pounds.		
B) 700 pounds.		
C) 1,000 pounds.		
481.	PLT496	PVT
operating weight of th		n more than twice the maximum certificated ty link must be installed at what point(s)? o the glider.
		e glider and the point of attachment of the towline to
C) Only the point whe	ere the towline is attached t	o the towplane.
482.	PLT496	PVT

A) 502 pounds.
A TOTAL POST OF THE STATE OF TH
B) 832 pounds.
C) 1,040 pounds.
483. PLT316 PVT
(Refer to figure 13.) What effect do the clouds mentioned in the weather briefing have on soaring conditions?
A) All thermals stop at the base of the clouds.
B) Thermals persist to the tops of the clouds at 25,000 feet.
C) The scattered clouds indicate thermals at least to the tops of the lower clouds.
484. PLT064 PVT
(Refer to figure 21.) Over which area should a glider pilot expect to find the best lift under normal conditions?
A) 5.
B) 6.
C) 7.
485. PLT514 PVT
In addition to the standard briefing, what additional information should be asked of the weather briefer in order to evaluate soaring conditions?
A) The upper soundings to determine the thermal index at all soaring levels.
B) Dry adiabatic rate of cooling to determine the height of cloud bases.
C) Moist adiabatic rate of cooling to determine the height of cloud tops.
486. PLT173 PVT
Where and under what condition can enough lift be found for soaring when the weather is generally stable?
A) On the upwind side of hills or ridges with moderate winds present.
B) In mountain waves that form on the upwind side of the mountains.
C) Over isolated peaks when strong winds are present.
487. PLT494 PVT
The development of thermals depends upon
A) a counterclockwise circulation of air.
B) temperature inversions.
C) solar heating.

488.	PLT494	PVT
How can a pilot locate bu	ubble thermals?	
A) Look for wet areas wh	ere recent showers have occurred.	
B) Look for birds that are	soaring in areas of intermittent heating.	
C) Fly the area just abov	e the boundary of a temperature inversion.	
489.	PLT494	PVT
What is the best visual in	dication of a thermal?	
A) Fragmented cumulus	clouds with concave bases.	
B) Smooth cumulus cloud	ds with concave bases.	
C) Scattered to broken s	ky with cumulus clouds.	
490.	PLT494	PVT
What is a recommended	procedure for entering a dust devil for soarii	ng?
A) Enter above 500 feet	and circle the edge in the same direction as	the rotation.
B) Enter below 500 feet a	and circle the edge opposite the direction of	rotation.
C) Enter at or above 500	feet and circle the edge opposite the directi	on of rotation.
491.	PLT494	PVT
What is one recommended	ed method for locating thermals?	
A) Fly an ever increasing	g circular path.	
B) Maintain a straight tra	ck downwind.	
C) Look for converging s	treamers of dust or smoke.	
492.	PLT494	PVT
On which side of a rocky thermals?	knoll, that is surrounded by vegetation, show	uld a pilot find the best
A) On the side facing the	Sun.	
B) On the downwind side).	
C) Exactly over the center	er.	
493.	PLT120	PVT
Which is considered to b thunderstorms?	e the most hazardous condition when soaring	g in the vicinity of
A) Static electricity.		
B) Lightning.		
C) Wind shear and turbu	lence.	

494.	PLT516	PVT
	culation patterns associated wit	
	e air moving inland from over th	·
B) water absor	bing and radiating heat faster the	nan the land.
C) cool, dense	air moving inland from over the	water.
495.	PLT516	PVT
During which p	period is a sea breeze front mos	t suitable for soaring flight?
A) Shortly after		
	early forenoon.	
C) During the a	afternoon.	
496.	PLT516	PVT
What minimum	n upward current must a glider e	encounter to maintain altitude?
A) At least 2 fe	eet per second.	
B) The same a	s the glider's sink rate.	
C) The same a	as the adjacent down currents.	
497.	PLT328	PVT
A pilot plans to on the instrume		o-place glider which displays the following placards
MINIMUM PIL	OT WEIGHT: 135 LB	
MAXIMUM PIL	OT WEIGHT: 220 LB	
NOTE: Seat ba	allast should be used as necess	sary.
The recommer pilot's weight is	• .	s 55 - 65 knots. What action should be taken if the
A) Add 10 pou	nds of seat ballast to the rear se	eat.
B) Add 10 pou	nds of seat ballast.	
C) Add 45 pou	nds of seat ballast to obtain the	average pilot weight of 170 pounds.
498.	PLT328	PVT
A pilot plans to on the instrument		o-place glider which displays the following placards
MINIMUM PIL	OT WEIGHT: 135 LB	
MAXIMUM PIL	OT WEIGHT: 220 LB	
NOTE: Seat ba	allast should be used as necess	ary.
The recommer	nded towing speed for all tows is	s 55 - 65 knots. What action should be taken if the

pilot's weight is 115 pounds?

A) Add 20 pounds of sea	t ballast to the rear seat.			
B) Add 55 pounds of sea	at ballast to obtain the average pilot weight	of 170 pou	nds.	
C) Add 20 pounds of sea	at ballast.			
499.	PLT021	PVT		
(Refer to figure 54.) Wha	at is the CG of the glider if the pilot and pas	senger ead	ch weigh 2	15 pounds?
A) 74.69 inches aft of da	tum - out of limits forward.			
B) 81.08 inches aft of da	tum - within limits.			
C) 81.08 inches aft of da	tum - over maximum gross weight.			
500.	PLT021	PVT		
(Refer to figure 54.) Calc within limits.	culate the weight and balance of the glider,	and detern	nine if the	CG is
Pilot (fwd seat) 160 lb				
Passenger (aft seat) 185	i lb			
A) CG 71.65 inches aft o	of datum - out of limits forward.			
B) CG 79.67 inches aft o	f datum - within limits.			
C) CG 83.43 inches aft o	of datum - within limits.			
501.			PLT021	PVT
	46.) Approximately how much baggage, if a eding weight and balance limits?	any, may b	e carried i	n the
			WEIGHT	MOMENT
			(LB)	(1000)
Empty weight			1,074	85.6
Oil, 6 qt				1.0
Fuel, Full				
Pilot (FWD)			224	
A) None, overweight.				
B) 70 pounds.				
C) 100 pounds.				
502.	PLT131	PVT		
Which is a result of the p	henomenon of ground effect?			
•	attack of each rotor blade is increased.			
B) The lift vector become				
•	enerating lift is increased.			
	~			

503.	PLT285	PVT
A) 24 MPH. B) 40 MPH.	e 47.) What is the best rate-of-cl	imb speed for the helicopter?
C) 57 MPH.		
504.	PLT285	PVT
	reason the shaded area of a Hei near the surface can dephase th	ght vs. Velocity Chart should be avoided is ne blade dampers.
•	•	ct is made if an engine failure should occur. ensure a safe landing in case of an engine failure.
505.	PLT221	PVT
A) execute a h B) execute a lo	ing a confined area or pinnacle laigh reconnaissance. Sow reconnaissance. The area to discover areas of turb	
506.	PLT285	PVT
(Refer to figure operations?	e 47.) Which airspeed/altitude co	ombination should be avoided during helicopter
A) 20 MPH/20 B) 35 MPH/17		
C) 40 MPH/75	feet AGL.	
507.	PLT222	PVT
A) When gross B) When a noi	• •	
508.	PLT161	PVT
Under what co within Class D		ilot operate a helicopter under special VFR at night
•	·	ipped and the pilot must be instrument rated.
,	isibility must be at least 1 mile.	41-1-
(c) There are r	no conditions; regulations permit	inis.

509.	PLT208	PVT
•	ould experience failure of both initial immediate action must	h engines during flight and neither engine can be the pilot take?
A) The airship r	nust be driven down to a land	ding before control and envelope shape are lost.
. •	ncy auxiliary power unit must inflation can be maintained.	be started for electrical power to the airscoop blowers
C) Immediate p	reparations to operate the air	rship as a free balloon are necessary.
510.	PLT153	PVT
An airship desc	ending through a steep temp	erature inversion will
A) show no cha	nge in superheat as altitude	is lost.
B) show a decre	ease in superheat as altitude	is lost.
C) become prog	gressively lighter, thus becom	ning increasingly more difficult to drive down.
511.	PLT153	PVT
Below pressure	height, each 5° F of positive	superheat amounts to approximately
A) 1 percent of	gross lift.	
B) 2 percent of	net lift.	
C) 2 percent of	total lift.	
512.	PLT153	PVT
What is airship	superheat?	
A) A condition of	of excessive exterior tempera	ture of the envelope.
B) The tempera	ture of the lifting gas exceed	ing the red line.
C) The difference	ce between outside air tempe	erature and the temperature inside the envelope.
513.	PLT133	PVT
Which action is	necessary in order to perforr	m a normal descent in an airship?
A) Valve gas.		
B) Valve air.		
C) Take air into	the aft ballonets.	
514.	PLT153	PVT
During flight in a	an airship, when is vertical ed	quilibrium established?
A) When buoya	ncy is greater than airship we	eight.
B) When buoya	ncy equals airship weight.	
C) When buoya	ncy is less than airship weigl	nt.

515.	PLT158	PVT
To check the gas should be	s pressures (pressure heigh	t) of an airship during a climb, the air damper valves
A) opened forwa	rd and closed aft.	
B) opened aft an	d closed forward.	
C) closed.		
516.	PLT124	PVT
In relation to the	operation of an airship, who	at is the definition of aerostatics?
A) The gravitation	nal factors involving equilib	rium of a body freely suspended in the atmosphere.
•	of the dynamics involved in the lifting and contraction of the lifting the lifting and contraction of the lifting the lifting and the lifting are seen as the lifting and the lifting are seen as the	the expansion and contraction of hydrogen gas. ng gas helium.
517.	PLT153	PVT
How does the pil	ot know when pressure hei	ght has been reached?
A) Liquid in the glevels.	as manometer will rise and	the liquid in the air manometer will fall below normal
B) Liquid in the g	as and air manometers will	fall below the normal level.
C) Liquid in the glevels.	gas manometer will fall and	the liquid in the air manometer will rise above normal
518.	PLT153	PVT
When the airship maintained by va		superheat increases, constant pressure must be
A) gas from the e	envelope.	
B) air from the er	nvelope.	
C) gas from the b	pallonets.	
519.	PLT221	PVT
Air damper valve system would	es should normally be kept o	closed during climbs because any air forced into the
A) increase the a excessively high	_	exhausted to prevent the airship from ascending at an
·		ed, resulting in a lower rate of ascent.
(c) decrease the	purity of the gas within the	envelope.
520.	PLT221	PVT
To land an airshi made if the airsh	•	when the wind is calm, the best landing can usually be

A) in trim.		
B) nose heavy a	approximately 20°.	
C) tail heavy ap	proximately 20°.	
521.	PLT012	PVT
the intersection		the Quitman VOR-DME area 2) at 0940 and then over 114 at 0948. Approximately what time should the flight
A) 1109.		
B) 1117.		
C) 1138.		
522.	PLT012	PVT
	·	ute from Majors Airport (area 1) to Winnsboro Airport and the true airspeed is 36 knots.
A) 55 minutes.		
B) 59 minutes.		
C) 63 minutes.		
523.	PLT012	PVT
•	outh-southeast on Victor 15	Minot VORTAC (area 1) at 1056 and over the creek 8 at 1108. What should be the approximate position on
A) Over Lake No	ettie National Wildlife Refug	e.
•	road east of Underwood.	
C) Over the pow	erlines east of Washburn A	irport.
524.	PLT116	PVT
•	rculars containing subject m ons are issued under which	natter specifically related to Air Traffic Control and subject number?
525.	PLT440	PVT
When must a pildeviation to the	_	ulation during an emergency send a written report of that
A) Within 7 days	8.	
B) Within 10 day	/ S.	

C) Upon reque	est.	
526.	PLT068	PVT
A) For overall p B) For determi	e 20.) How are Significant Weather planning at all altitudes. ning areas to avoid (freezing leve ng current frontal activity and clou	,
527.	PLT153	PVT
	the surface is determined by ble load. bacity.	ach (under a given atmospheric condition) and then
528.	PLT153	PVT
A) valving air f B) valving gas	d condition of an airship in flight m rom the ballonets. from the envelope. or a positive dynamic force.	ust be overcome by
529.	PLT328	PVT
	re included in the empty weight of	an aircraft?
•	uel and undrainable oil.	
	frame, powerplant, and optional each series and engine oil to capacity.	quipment.
530.	PLT204	PVT
When flying H	AWK N666CB, the proper phrase	ology for initial contact with McAlester AFSS is
A) 'MC ALEST VORTAC, OVE		CHARLIE BRAVO, RECEIVING ARDMORE
B) 'MC ALEST OVER.'	ER STATION, HAWK SIX SIX SI	X CEE BEE, RECEIVING ARDMORE VORTAC,
•	ER FLIGHT SERVICE STATION, RDMORE VORTAC, OVER.'	HAWK NOVEMBER SIX CHARLIE BRAVO,
531.	PLT011	PVT
,	e 40.) Determine the total takeoff of temperature is 95 °F and the pres	distance required for a gyroplane to clear a 50-foot sure altitude is 1,700 feet.

A) 1,825 feet.B) 1,910 feet.C) 2,030 feet.				
` ,	PLT008 ermine the total landing distance to clear a 5 cure (OAT) is 75°F and the pressure altitude			
533. For internal cooling, recipal A) a properly functioning B) air flowing over the example C) the circulation of lubrical contents.	khaust manifold.	PVT endent or	1	
A) open the throttle full a	and stop the rotor as soon as possible.	PVT sufficient	for flight,	
535. With respect to the certif A) Airplane, rotorcraft, gl B) Normal, utility, acroba C) Transport, restricted,	atic, limited.	PVT ?		
536. (Refer to figures 45 and loaded?	46.) What is the condition of the weight and	balance o		
Empty weight Oil, 6 qt Pilot and passenger Fuel, 12 gal			1,074 247	85.6 1.0

Baggage A) Within limits. B) Overweight. C) Out of limits aft.			95	
537. When a blade flaps up, t A) decelerate. B) accelerate. C) stabilize its rotational	PLT197 the CG moves closer to its axis of rotation given the control of the contr	PVT ving that b	lade a ter	ndency to
538. The maximum forward s A) retreating blade stall. B) the rotor RPM red line C) solidity ratio.	PLT470 speed of a helicopter is limited by e.	PVT		
539. With calm wind conditior A) A right-hovering turn. B) A left-hovering turn. C) Hovering out of grour		PVT nost power	r?	
540. If RPM is low and manifor A) Increase the throttle. B) Lower the collective p C) Raise the collective p		PVT ction should	d be take	n?
exceed their normal ope A) Using fuel that has a B) Using fuel that has a	PLT250 cause the cylinder head temperature and ereating ranges? lower-than-specified fuel rating. higher-than-specified fuel rating. r-than-normal oil pressure.	PVT ngine oil te	mperatur	e gauges to
542. What type fuel can be su	PLT250 ubstituted for an aircraft if the recommended	PVT octane is I	not availa	able?

A) The next higher octar B) The next lower octan C) Unleaded automotive	G	
543. During surface taxiing, tl A) drift during a crosswir B) rate of speed. C) ground track.	PLT112 he collective pitch is used to control nd.	PVT
544. During surface taxiing, the A) forward movement. B) heading. C) ground track.	PLT112 he cyclic pitch stick is used to control	PVT
A) Normally, the airspee B) Normally, only the cy	PLT175 be observed during an autorotative descented is controlled with the collective pitch. clic control is used to make turns. of descent to get too low at zero airspeed.	PVT t?
A) on the ground and ha B) a series of shocks ca C) there is a combinatio	PLT259 Dest likely to develop when armonic vibrations develop between the main uses the rotor system to become unbalance in of a decrease in the angle of attack on the attack on the retreating blade.	d.
B) Minimum RPM shall I	PLT170 or a slope landing? skid is on the ground, hold the collective pit oe held until the full weight of the helicopter is slope, slowly lower the upslope skid to the g	is on the skid.
548. The proper action to initi	PLT217 iate a quick stop is to apply	PVT

A) forward cycl	ic and lower the collective pitch.	
B) aft cyclic and	d raise the collective pitch.	
C) aft cyclic an	d lower the collective pitch.	
549.	PLT222	PVT
If possible, whe	en departing a confined area, who	at type of takeoff is preferred?
A) A normal tal	keoff from a hover.	
B) A vertical tal	keoff.	
C) A normal tal	keoff from the surface.	
550.	PLT515	PVT
What service s station?	hould a pilot normally expect fror	n an En Route Flight Advisory Service (EFAS)
A) Actual weatl	her information and thunderstorm	activity along the route.
B) Preferential	routing and radar vectoring to cir	cumnavigate severe weather.
C) Severe wea	ther information, changes to fligh	t plans, and receipt of routine position reports.
551.	PLT353	PVT
(Refer to figure	19, area E.) The top of the preci	pitation of the cell is
A) 16,000 feet	AGL.	
B) 16,000 feet	MSL.	
C) 25,000 feet	MSL.	
552.	PLT497	PVT
Unless otherwi squawk which		nder equipped aircraft, a recreational pilot should
A) 1200.		
B) 7600.		
C) 7700.		
553.	PLT064	PVT
•	of Cooperstown, after departing a	ity and cloud clearance requirements to operate nd climbing out of the Cooperstown Airport at or
A) 1 mile and c	lear of clouds.	
B) 1 mile and 1	,000 feet above, 500 feet below,	and 2,000 feet horizontally from clouds.
C) 3 miles and	clear of clouds.	
554.	PLT442	PVT

f a recreational or privareview required?	ate pilot had a flight review on August 8, this	year, when is the next flight
A) August 8, next year.		
B) August 31, 1 year lat	ter.	
C) August 31, 2 years la	ater.	
555.	PLT163	PVT
·	pace, the minimum flight visibility requiremen AGL and below 10,000 feet MSL during dayli	
B) 3 miles. C) 5 miles.		
556.	PLT401	PVT
A) If the pilot has logge	creational pilot act as pilot in command in ard 100 hours of flight time in powered aircraft. dorsement in his/her pilot logbook from an a	
557.	PLT467	PVT
With respect to daylight A) One hour before sun 3) At sunrise.	hours, what is the earliest time a recreation rise.	al pilot may take off?
C) At the beginning of r	norning civil twilight.	
558.	PLT161	PVT
When may a recreation A) Anytime the control t	al pilot operate to or from an airport that lies ower is in operation.	within Class C airspace?
	at least 1,000 feet and the surface visibility is ang and a logbook endorsement from an auth	
559.	PLT161	PVT
	may a recreational pilot operate at an airport part-time control tower in operation?	that lies within Class D
A) Between sunrise and the visibility is at least 3	d sunset when the tower is in operation, the obtained miles.	ceiling is at least 2,500 feet, and
B) Any time when the to more than 1 mile.	ower is in operation, the ceiling is at least 3,0	000 feet, and the visibility is

visibility is at least 3 mile	es.	g is at least 1,000 feet, and the
560.	PLT448	PVT
When may a recreation	al pilot fly above 10,000 feet MSL?	
A) When 2,000 feet AGI		
B) When 2,500 feet AGI	L or below.	
C) When outside of con	trolled airspace.	
561.	PLT163	PVT
During daytime, what is Class G airspace below	the minimum flight or surface visibility require 10,000 feet MSL?	red for recreational pilots in
A) 1 mile.		
B) 3 miles.		
C) 5 miles.		
562.	PLT448	PVT
What exception, if any, passenger for hire?	permits a recreational pilot to act as pilot in o	command of an aircraft carrying
A) If the passenger pays	s no more than the operating expenses.	
B) If a donation is made	to a charitable organization for the flight.	
C) There is no exception	n.	
563.	PLT448	PVT
Under what conditions, prospective buyer?	if any, may a recreational pilot demonstrate	an aircraft in flight to a
A) The buyer pays all th	e operating expenses.	
B) The flight is not outsi	de the United States.	
C) None.		
564.	PLT448	PVT
A recreational pilot may of	act as pilot in command of an aircraft with a	maximum engine horsepower
A) 160.		
B) 180.		
C) 200.		
565.	PLT448	PVT
When may a recreation	al pilot act as pilot in command of an aircraft	at night?

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•	ing an additional certificate or ded the surface or flight visibili	rating under the supervision of an authorized ity is at least 1 statute mile.
•	ing an additional certificate or ded the surface or flight visibili	rating under the supervision of an authorized ity is at least 3 statute miles.
•	ing an additional certificate or ded the surface or flight visibili	rating under the supervision of an authorized ity is at least 5 statute miles.
566.	PLT163	PVT
• •	what is the minimum flight vis 10,000 feet MSL?	sibility required for recreational pilots in controlled
A) 1 mile.		
B) 3 miles.		
C) 5 miles.		
567.	PLT448	PVT
A recreational p aboard the aircr	- · · · · · · · · · · · · · · · · · · ·	d must have in his or her personal possession while
A) a current logi	book endorsement to show that	at a flight review has been satisfactorily accomplished
B) a current logl airport.	book endorsement that permit	s flight within 50 nautical miles from the departure
C) the pilot logb been met.	ook to show recent experience	e requirements to serve as pilot in command have
568.	PLT448	PVT
-	nal pilot act as pilot in comma ght is only incidental to that bu	nd of an aircraft in furtherance of a business?
B) Yes, providin C) No, it is not a	-	person or property for compensation or hire.
569.	PLT442	PVT
If a recreational review required		view on August 8, this year, when is the next flight
A) August 8, 2 y	vears later.	
B) August 31, n	ext year.	
C) August 31, 2	years later.	
570.	PLT442	PVT
Each recreation	al or private pilot is required to	have
A) a biennial flig	nht review.	

B) an annual flig	ht review.	
C) a semiannual	flight review.	
571.	PLT448	PVT
How many passe	engers is a recreational pilot	allowed to carry on board?
A) One.		
B) Two.		
C) Three.		
572.	PLT448	PVT
According to reg	ulations pertaining to privileg	es and limitations, a recreational pilot may
A) be paid for the	e operating expenses of a flig	ıht.
B) not pay less tl	nan the pro rata share of the	operating expenses of a flight with a passenger.
C) not be paid in	any manner for the operating	g expenses of a flight.
E70	DI T440	D\/T
573.	PLT448	PVT
	reational pilot act as pilot in community the departure airport?	command on a cross-country flight that exceeds 50
A) After attaining	100 hours of pilot-in-comma	nd time and a logbook endorsement.
B) After receiving endorsement.	g ground and flight instruction	ns on cross-country training and a logbook
C) 12 calendar n endorsement.	nonths after receiving his or h	ner recreational pilot certificate and a logbook
574.	PLT448	PVT
A recreational pil		and of an aircraft that is certificated for a maximum of
A) Four.		
B) Three.		
C) Two.		
575.	PLT163	PVT
	risibility and clearance from c	louds are required for a recreational pilot in Class G aylight hours?
A) 1 mile visibility	y and clear of clouds.	
B) 3 miles visibili	ty and clear of clouds.	
C) 3 miles visibili	ity, 500 feet below the clouds	i.
576.	PLT068	PVT

•) At what altitude is the f r Prognostic Chart?	reezing level over the middle of Florida on the12-hour
A) 4,000 feet.		
B) 8,000 feet.		
C) 12,000 feet.		
577.	PLT068	PVT
(Refer to figure 20. during the first 12 h		st for the Florida area just ahead of the stationary front
A) Ceiling 1,000 to	3,000 feet and/or visibil	ty 3 to 5 miles with continuous precipitation.
B) Ceiling 1,000 to	3,000 feet and/or visibil	ty 3 to 5 miles with intermittent percipitation.
C) Ceiling less than	n 1,000 feet and/or visib	lity less than 3 miles with continuous precipitation.
578.	PLT455	PVT
`		d be entered in block 12 for a VFR day flight?
•	ime en route plus 30 mir	
•	ime en route plus 45 mir	
C) The amount of u	usable fuel on board exp	ressed in time.
579.	PLT446	PVT
Which operation w	ould be described as pre	ventive maintenance?
A) Repair of landin	g gear brace struts.	
B) Replenishing hy	draulic fluid.	
C) Repair of portion	ns of skin sheets by mak	ing additional seams.
580.	PLT472	PVT
cycles per minute).		a pilot experiences low-frequency vibrations (100 to 400 rmally associated with the
A) engine.		
B) cooling fan.		
C) main rotor.		
581.	PLT470	PVT
Select the helicoptor	er component that, if def	ective, would cause medium-frequency vibrations.
A) Tail rotor.		
B) Main rotor.		
C) Engine.		
582.	PLT221	PVT

Which is a correct general rule for pinnacle and ridgeline operations?

- A) Gaining altitude on takeoff is more important than gaining airspeed.
- B) The approach path to a ridgeline is usually perpendicular to the ridge.
- C) A climb to a pinnacle or ridgeline should be performed on the upwind side.