05/23/2007			
Bank: (Private Pilot) Airman Knowledge Test Question Bank			
1.	H921	PVT	
The amount of	f excess load that can be imposed on th	ne wing of an airplane depends upon the	
A) position of	·		
B) speed of th			
•	at which the load is applied.		
2.	H921	PVT	
	ght maneuver increases the load factor	on an airplane as compared to straight-and-	
level flight? A) Climbs.			
B) Turns.			
C) Stalls.			
e, etalle.			
3.	H921	PVT	
During an app	roach to a stall, an increased load facto	r will cause the airplane to	
A) stall at a high	gher airspeed.		
B) have a tend	lency to spin.		
C) be more dif	ficult to control.		
4.	H921	PVT	
,	e 2.) If an airplane weighs 2,300 pounds	s, what approximate weight would the airplane	
A) 2,300 poun		ann wille maintaining attitude:	
B) 3,400 poun			
C) 4,600 poun			
5, .,000 pour			

PVT

H911

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

5.

A) between the	wing chord line and the relative wind.	
B) between the	airplane's climb angle and the horizon.	
C) formed by th	e longitudinal axis of the airplane and the	e chord line of the wing.
6. (Refer to figure	H910 1.) The acute angle A is the angle of	PVT
A) incidence.		
B) attack.		
C) dihedral.		
7.	H912	PVT
What is the rela flight?	itionship of lift, drag, thrust, and weight w	hen the airplane is in straight-and-level
A) Lift equals w	eight and thrust equals drag.	
B) Lift, drag, an	d weight equal thrust.	
C) Lift and weig	ht equal thrust and drag.	
8.	H911	PVT
When are the fo	our forces that act on an airplane in equili	brium?
A) During unac		
-	craft is accelerating.	
•	rcraft is at rest on the ground.	
9.	H911	PVT
The four forces	acting on an airplane in flight are	
A) lift, weight, th	nrust, and drag.	
B) lift, weight, g	ravity, and thrust.	
C) lift, gravity, p	ower, and friction.	
10.	H951	PVT
How will frost or	n the wings of an airplane affect takeoff p	performance?
A) Frost will dis	rupt the smooth flow of air over the wing,	adversely affecting its lifting capability.
B) Frost will cha	ange the camber of the wing, increasing i	ts lifting capability.
C) Frost will cau stall speed.	use the airplane to become airborne with	a higher angle of attack, decreasing the
11.	H911	PVT
	kes an airplane turn?	

A) The horizon	ontal component of lift.	
B) The vertic	al component of lift.	
C) Centrifuga	al force.	
12.	H573	PVT
VFR approac	ches to land at night should be	accomplished
A) at a highe	r airspeed.	
B) with a stee	eper descent.	
C) the same	as during daytime.	
13.	H920	PVT
In what flight	condition is torque effect the	greatest in a single-engine airplane?
A) Low airspe	eed, high power, high angle of	attack.
B) Low airspe	eed, low power, low angle of a	uttack.
C) High airsp	eed, high power, high angle o	f attack.
14.	H920	PVT
The left turning	ng tendency of an airplane car	used by P-factor is the result of the
A) clockwise	rotation of the engine and the	propeller turning the airplane counter-clockwise.
B) propeller bleft.	plade descending on the right,	producing more thrust than the ascending blade on the
C) gyroscopio force was ap		propeller blades acting 90° in advance of the point the
15.	H920	PVT
When does F	P-factor cause the airplane to	yaw to the left?
A) When at lo	ow angles of attack.	
B) When at h	igh angles of attack.	
C) When at h	nigh airspeeds.	
16.	H917	PVT
What causes are not adjus		o pitch nosedown when power is reduced and controls
A) The CG sl	hifts forward when thrust and o	drag are reduced.
B) The down effectiveness		e propeller slipstream is reduced and elevator
C) When thru support the w		ght, lift is also reduced and the wings can no longer

17.	H917	PVI
What determines the I	ongitudinal stability of an airplane	?
A) The location of the	CG with respect to the center of l	ift.
•	of the horizontal stabilizer, rudder,	
•	thrust and lift to weight and drag.	
-, ····-		
18.	H917	PVT
An airplane said to be	inherently stable will	
A) be difficult to stall.		
3) require less effort to	o control.	
C) not spin.		
19.	H540	PVT
	n must an aircraft be placed in ord	
A) Partially stalled with	·	er to spiri:
3) In a steep diving sp	· ·	
C) Stalled.	niai.	
o) Stalled.		
20.	H540	PVT
During a spin to the le	ft, which wing(s) is/are stalled?	
A) Both wings are stal	led.	
B) Neither wing is stal	led.	
C) Only the left wing is	s stalled.	
21.	H919	PVT
As altitude increases, configuration will	the indicated airspeed at which a	given airplane stalls in a particular
A) decrease as the tru	ie airspeed decreases.	
B) decrease as the tru	ie airspeed increases.	
C) remain the same re		
•		
22.	H919	PVT
The angle of attack at	which an airplane wing stalls will	
A) increase if the CG	is moved forward.	
B) change with an inc	rease in gross weight.	
C) remain the same re	egardless of gross weight.	
23.	J11	PVT

	•	wing advisory to a pilot flying north in a calm wind	:
	CLOCK, 2 MILES, SO		
	he pilot look for this tra	anic?	
A) South.			
B) North.			
C) West.			
24.		H945	PVT
(Refer to figure following condit		cted fuel consumption for a 1,000-nautical mile fli	ght under the
Pressure altitud	le	8,000 ft	
Temperature		22 °C	
Manifold pressu	ıre	20.8 inches Hg	
Wind		Calm	
A) 60.2 gallons.			
B) 70.1 gallons.			
C) 73.2 gallons			
25.	H948	PVT	
	36.) What fuel flow shum continuous power?	nould a pilot expect at 11,000 feet on a standard o	day with 65
A) 10.6 gallons	per hour.		
B) 11.2 gallons	per hour.		
C) 11.8 gallons	per hour.		
26.	H945	PVT	
		of a temperature decrease and a pressure altitud 250 feet pressure altitude to 55 °F and 1,750 feet	
A) 1,300-foot de	ecrease.		
B) 1,700-foot de	ecrease.		
C) 1,700-foot in	icrease.		
27.	H945	PVT	
(Refer to figure altimeter setting		ssure altitude at an airport that is 1,386 feet MSL	with an
A) 1,341 feet M	SL.		
B) 1,451 feet M	SL.		
C) 1,562 feet M	ISL.		

28.	H946	PVT	
` • •		of a temperature increase from 30 to 50 $^{\circ}\text{F}$ on the densitns at 3,000 feet MSL?	ty
A) 900-foot increas	e.		
B) 1,100-foot decre	ease.		
C) 1,300-foot increa	ase.		
29.		H946	PVT
(Refer to figure 38. obstacle.) Determine the ap	oproximate total distance 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.			
30.		H946 P\	VT
(Refer to figure 38.) Determine the to	tal distance required to land.	
OAT		32 °F	
Pressure altitude		8,000 ft	
Weight		2,600 lb	
Headwind compone	ent	20 kts	
Obstacle		50 ft	
A) 850 feet.			
B) 1,400 feet.			
C) 1,750 feet.			
31.	H945	PVT	
(Refer to figure 8.) an altimeter setting A) 2,913 feet MSL.	of 28.22 at stand	essure altitude with an indicated altitude of 1,380 feet MS ard temperature.	L with
B) 2,991 feet MSL.			
C) 3,010 feet MSL.			
32.	H945	PVT	

(Refer to figure 8 altimeter setting	•	e altitude at an airport that is 3,563 feet MS	L with an
A) 3,527 feet MS			
B) 3,556 feet MS			
C) 3,639 feet MS			
33.		H946	PVT
(Refer to figure 4	41.) Determine the total d	istance required for takeoff to clear a 50-foo	ot obstacle.
OAT		Std	
Pressure altitude	9	4,000 ft	
Takeoff weight		2,800 lb	
Headwind comp	onent	Calm	
A) 1,500 feet.			
B) 1,750 feet.			
C) 2,000 feet.			
34.	J22	PVT	
When activated,	an emergency locator tra	ansmitter (ELT) transmits on	
A) 118.0 and 11	•	,	
, B) 121.5 and 24			
C) 123.0 and 11			
35.	B11	PVT	
When must the battery is rechar		ocator transmitter (ELT) be replaced (or rec	harged if the
A) After one-half	the battery's useful life.		
B) During each a	annual and 100-hour insp	ection.	
C) Every 24 cale	endar months.		
36.	J22	PVT	
	nergency locator transmi		
A) Anytime.	nergency locator transmi	tter (LL1) be tested:	
, •	minutes past the hour.		
•	st 5 minutes after the hou	ır	
	ot o minatoo artor trio riou		
37.	J22	PVT	
Which procedure been activated?	e is recommended to ens	ure that the emergency locator transmitter (ELT) has not

A) Turn off the aircraft B) Ask the airport towe C) Monitor 121.5 befo	er if they are receiving an ELT sig	nal.
	J11 dvises that radar service is terminated and a set to code	PVT ated when the pilot is departing Class C
A) decrease the angle B) permit a touchdowr	H926 ons of flaps during approach and of descent without increasing the at a higher indicated airspeed. of descent without increasing the	e airspeed.
40. What is an important a A) Never-exceed spee B) Maximum structura C) Maneuvering speed	I cruising speed.	PVT r coded on airspeed indicators?
41. (Refer to figure 4.) Wh A) 100 MPH. B) 165 MPH. C) 208 MPH.	H931 nat is the maximum structural cruis	PVT sing speed?
42. (Refer to figure 4.) Wh gear in the landing cor A) Upper limit of the g B) Upper limit of the w C) Lower limit of the w	nfiguration? reen arc. rhite arc.	PVT stalling speed with wing flaps and landing
43. (Refer to figure 4.) Wh	H931 nat is the maximum flaps-extende	PVT d speed?

A) 65 MPH.		
B) 100 MPH.		
C) 165 MPH.		
	11004	DI /T
44.	H931	PVT
		the power-off stalling speed in a specified configuration?
A) Upper limit of the	_	
B) Upper limit of the v		
C) Lower limit of the	green arc.	
45.	H931	PVT
(Refer to figure 4.) Th	ne maximum speed	at which the airplane can be operated in smooth air is
A) 100 MPH.		
B) 165 MPH.		
C) 208 MPH.		
46.	H931	PVT
		m 30.11 to 29.96, what is the approximate change in
A) Altimeter will indicate	ate .15 inches Hg h	igher.
B) Altimeter will indicate	ate 150 feet higher.	
C) Altimeter will indic	ate 150 feet lower.	
47.	H931	PVT
How do variations in		
	•	ays and the indicated altitude is lower than true altitude.
•		sure levels and the indicated altitude is higher than true
altitude.	co expand the pres	sare levels and the indicated attitude is higher than true
C) Lower temperature altitude.	es lower the pressu	re levels and the indicated altitude is lower than true
48.	H931	PVT
Altimeter setting is th altimeter indicates	e value to which the	e barometric pressure scale of the altimeter is set so the
A) calibrated altitude	at field elevation.	
B) absolute altitude a	nt field elevation.	
C) true altitude at field	d elevation.	
49.	H931	PVT

Refer to figure 3.) A	Altimeter 1 indicates	
A) 500 feet.		
3) 1,500 feet.		
C) 10,500 feet.		
50.	H931	PVT
	set the altimeter from 29.15 to 29.85, w	
•	in indicated altitude.	mat onango occuro.
B) 70-foot increase i		
•	e in indicated altitude.	
51.	H931	PVT
Jnder what conditio	n is indicated altitude the same as true	e altitude?
A) If the altimeter ha	as no mechanical error.	
3) When at sea leve	el under standard conditions.	
C) When at 18,000 f	feet MSL with the altimeter set at 29.92	2.
52.	H931	PVT
What is pressure alt		
•	tude corrected for position and installa	
,	ated when the barometric pressure sc	
C) The indicated alti	tude corrected for nonstandard tempe	rature and pressure.
53.	H931	PVT
What is true altitude	?	
A) The vertical dista	nce of the aircraft above sea level.	
3) The vertical dista	nce of the aircraft above the surface.	
C) The height above	e the standard datum plane.	
54.	H931	PVT
What is absolute alti		
•	directly from the altimeter.	
•	nce of the aircraft above the surface.	
C) The height above	e the standard datum plane.	
55.	H931	PVT
What is density altitu		
N The helphatelesses	ener	

A) The height above the standard datum plane.

•	de corrected for nonstandard tempera irectly from the altimeter.	ture.
56.	H932	PVT
(Refer to figure 7.) The align the	e proper adjustment to make on the at	titude indicator during level flight is to
A) horizon bar to the le	evel-flight indication.	
B) horizon bar to the n	niniature airplane.	
C) miniature airplane t	to the horizon bar.	
57.	H932	PVT
(Refer to figure 7.) Hosuch as the one illustra	w should a pilot determine the directio ated?	on of bank from an attitude indicator
A) By the direction of o	deflection of the banking scale (A).	
B) By the direction of o	deflection of the horizon bar (B).	
C) By the relationship	of the miniature airplane (C) to the de	flected horizon bar (B).
58.	H933	PVT
In the Northern Hemis normally indicate	phere, if an aircraft is accelerated or c	decelerated, the magnetic compass will
A) a turn momentarily.		
	a north or south heading.	
C) a turn toward the so	outh.	
59.	H933	PVT
In the Northern Hemis west if	phere, a magnetic compass will norma	ally indicate initially a turn toward the
A) a left turn is entered	d from a north heading.	
B) a right turn is entere	ed from a north heading.	
C) an aircraft is accele	erated while on a north heading.	
60.	H933	PVT
Deviation in a magnet	ic compass is caused by the	
A) presence of flaws in	n the permanent magnets of the comp	ass.
B) difference in the loc	cation between true north and magnet	ic north.
C) magnetic fields with	nin the aircraft distorting the lines of m	agnetic force.
61.	H933	PVT
During flight, when are	e the indications of a magnetic compa	ss accurate?

A) Only in stra	ight-and-level unaccelerated	d flight.
B) As long as	the airspeed is constant.	
C) During turn	s if the bank does not excee	ed 18°.
62.	H933	PVT
In the Northerr when	n Hemisphere, the magnetic	compass will normally indicate a turn toward the south
A) a left turn is	s entered from an east head	ing.
B) a right turn	is entered from a west head	ling.
C) the aircraft	is decelerated while on a we	est heading.
63.	H932	PVT
(Refer to figure	e 5.) A turn coordinator prov	ides an indication of the
A) movement	of the aircraft about the yaw	and roll axis.
B) angle of ba	nk up to but not exceeding 3	30°.
C) attitude of t	he aircraft with reference to	the longitudinal axis.
64.	H931	PVT
If the pitot tube	e and outside static vents be	ecome clogged, which instruments would be affected?
A) The altimet	er, airspeed indicator, and to	urn-and-slip indicator.
B) The altimet	er, airspeed indicator, and v	ertical speed indicator.
C) The altimet	er, attitude indicator, and tu	rn-and-slip indicator.
65.	H928	PVT
	of carburetor ice in an aircra	aft equipped with a fixed-pitch propeller can be verified by
A) an increase	e in RPM and then a gradual	decrease in RPM.
B) a decrease	in RPM and then a constan	t RPM indication.
C) a decrease	in RPM and then a gradual	increase in RPM.
66.	H927	PVT
•	carburetor ice, float-type ca	arburetor systems in comparison to fuel injection systems
A) more susce	eptible to icing.	
B) equally sus	ceptible to icing.	
C) susceptible	to icing only when visible m	noisture is present.
67.	H927	PVT
Which condition	on is most favorable to the d	evelopment of carburetor icing?

A) Any tempe	erature below freezing and a	relative humidity of less than 50 percent.
	ire between 32 and 50 °F and	
C) Temperatu	ure between 20 and 70 °F and	d high humidity.
68.	H927	PVT
The operating	g principle of float-type carbu	retors is based on the
A) automatic	metering of air at the venturi	as the aircraft gains altitude.
B) difference	in air pressure at the venturi	throat and the air inlet.
C) increase ir	n air velocity in the throat of a	venturi causing an increase in air pressure.
69.	H927	PVT
descent to 4,9 A) The fuel/ai	500 feet MSL is made withou r mixture may become exces	
fuel will absor	b heat and cool the engine.	
C) The exces detonation.	sively rich mixture will create	higher cylinder head temperatures and may cause
70.	H927	PVT
Generally spe	eaking, the use of carburetor	heat tends to
A) decrease	engine performance.	
B) increase e	ngine performance.	
C) have no ef	fect on engine performance.	
71.	H927	PVT
	s equipped with a fixed-pitch would most likely be	propeller and a float-type carburetor, the first indication of
A) a drop in o	il temperature and cylinder h	ead temperature.
B) engine rou	ghness.	
C) loss of RP	M.	
72.	H927	PVT
Applying carb	ouretor heat will	
A) result in m	ore air going through the carl	ouretor.
B) enrich the	fuel/air mixture.	
C) not affect t	he fuel/air mixture.	
73.	H928	PVT

On aircraft equ	ipped with fuel pumps, wh	en is the auxiliary electric driven pump used?
A) All the time	to aid the engine-driven fu	el pump.
B) In the event	engine-driven fuel pump fa	ails.
C) Constantly	except in starting the engin	e.
74.	H515	PVT
	me necessary to handprop	an airplane engine, it is extremely important that a
A) call 'contact	before touching the prope	eller.
B) be at the co	ntrols in the cockpit.	
C) be in the co	ckpit and call out all comm	ands.
75.	H928	PVT
If the grade of cause	fuel used in an aircraft eng	ine is lower than specified for the engine, it will most likely
A) a mixture of	fuel and air that is not unif	orm in all cylinders.
B) lower cylind	er head temperatures.	
C) detonation.		
76.	H928	PVT
A) improved er B) uniform hea	ngine performance.	on an aircraft engine is to provide for
-,	μ	
77.	H928	PVT
Detonation occ	curs in a reciprocating aircr	aft engine when
A) the spark pl	ugs are fouled or shorted o	out or the wiring is defective.
•		gnite the fuel/air mixture in advance of normal ignition. explodes instead of burning normally.
78.	H928	PVT
	cts that the engine (with a lial corrective action to take	fixed-pitch propeller) is detonating during climb-out after would be to
A) lean the mix	cture.	
B) lower the no	ose slightly to increase airs	peed.
C) apply carbu	retor heat.	
79.	H928	PVT

The uncontrolle	ed firing of the fuel/air cha	arge in advance of normal spark ignition is known as
A) combustion.		
B) pre-ignition.		
C) detonation.		
80.	H928	PVT
	e the first action after star	
		desired indications on the engine gauges.
	·	momentarily in the OFF position to check for proper
•	rake and the parking brak	ce.
81.	H928	PVT
What is one pro	ocedure to aid in cooling	an engine that is overheating?
A) Enrichen the	e fuel mixture.	
B) Increase the	RPM.	
C) Reduce the	airspeed.	
82.	H928	PVT
operating range	e, the pilot may have bee	er head temperature gauges have exceeded their normal n operating with
A) the mixture s		
. •	normal oil pressure.	
C) too much po	ower and with the mixture	set too lean.
83.	H928	PVT
affected by the	•	port, a pilot notes a slight engine roughness that is not some worse during the carburetor heat check. Under these logical initial action?
A) Check the re	esults obtained with a lea	ner setting of the mixture.
B) Taxi back to	the flight line for a mainte	enance check.
C) Reduce mar	nifold pressure to control	detonation.
84.	H928	PVT
The basic purp	ose of adjusting the fuel/a	air mixture at altitude is to
A) decrease the	e amount of fuel in the mi	xture in order to compensate for increased air density.
B) decrease the	e fuel flow in order to com	npensate for decreased air density.
C) increase the density of the a		cture to compensate for the decrease in pressure and

85.	H928	PVT
An abnormally high	engine oil temperatu	re indication may be caused by
A) the oil level bein	g too low.	
B) operating with a	too high viscosity oil.	
C) operating with a	n excessively rich mix	xture.
86.	H928	PVT
A precaution for the	e operation of an eng	ine equipped with a constant-speed propeller is to
A) avoid high RPM	settings with high ma	anifold pressure.
B) avoid high manif	fold pressure settings	with low RPM.
C) always use a ric	h mixture with high R	PM settings.
87.	H928	PVT
How is engine oper	ration controlled on a	n engine equipped with a constant-speed propeller?
•	rols power output as gulates engine RPM.	registered on the manifold pressure gauge and the
•	rols power output as gulates a constant bla	registered on the manifold pressure gauge and the ade angle.
C) The throttle cont regulates the powe	_	registered on the tachometer and the mixture control
88.	H928	PVT
What effect does hi efficiency and why?	_	s compared to low density altitude, have on propeller
A) Efficiency is incr	eased due to less fric	ction on the propeller blades.
B) Efficiency is redudensity altitudes.	uced because the pro	opeller exerts less force at high density altitudes than at low
C) Efficiency is red	uced due to the incre	ased force of the propeller in the thinner air.
89.	J13	PVT
When should pilots	decline a land and h	old short (LAHSO) clearance?
A) Pilots can not de	ecline clearance.	
B) Only when the to	ower operator concur	s.
C) When it will com	promise safety.	
90.	J13	PVT
Who should not part A) Recreational pilo	-	and Hold Short Operations (LAHSO) program?

B) Student pilots.		
C) Military pilots.		
91.	J03	PVT
A slightly high glid	de slope indication from a p	recision approach path indicator is
A) four white light	S.	
B) three white ligh	nts and one red light.	
C) two white light	s and two red lights.	
92.	J03	PVT
An airport's rotatii	ng beacon operated during	daylight hours indicates
A) there are obstr	ructions on the airport.	
B) that weather a	t the airport located in Class	s D airspace is below basic VFR weather minimums.
C) the Air Traffic	Control tower is not in opera	ation.
93.	J03	PVT
To set the high in seven times, and		dium intensity, the pilot should click the microphone
A) one time within	n four seconds.	
B) three time with	in three seconds.	
C) five times with	in five seconds.	
94.	H568	PVT
Airport taxiway ed	dge lights are identified at n	ight by
A) white direction	al lights.	
B) blue omnidired	tional lights.	
C) alternate red a	and green lights.	
95.	J03	PVT
(Refer to figure 48	8.) Illustration A indicates th	at the aircraft is
A) below the glide	e slope.	
B) on the glide slo	ope.	
C) above the glide	e slope.	
96.	J03	PVT
An above glide sl	ope indication from a tri-col	or VASI is
A) a white light sig	gnal.	
B) a green light si	ignal.	

C) an amber light signal.		
97.A below glide slope indicationA) pulsating white light.B) steady white light.C) pulsating red light.	J03 ation from a pulsating approac	PVT ch slope indicator is a
98.A below glide slope indicaA) red light signal.B) pink light signal.C) green light signal.	J03 ation from a tri-color VASI is a	PVT
99.(Refer to figure 49.) AreaA) stabilized area.B) multiple heliport.C) closed runway.	J05 C on the airport depicted is cl	PVT assified as a
A) 'A' may be used for tax B) 'A' may be used for all overrun.	ki and takeoff; 'E' may be used operations except heavy aircr	PVT ea A and area E on the airport depicted? d only as an overrun. eaft landings; 'E' may be used only as an all operations except landings.
A) Runway 30 is equippe stopping military aircraft.B) Takeoffs may be started begins at position B.		y arresting gear to provide a means of 2, and the landing portion of this runway
102. The numbers 9 and 27 or A) 009° and 027° true. B) 090° and 270° true.	J05 n a runway indicate that the ru	PVT nway is oriented approximately

C) 090° and 270° magnetic.		
103.(Refer to figure 51.) The segmentA) right-quartering headwind.B) left-quartering headwind.C) right-quartering tailwind.	J13 nted circle indicates that a la	PVT anding on Runway 26 will be with a
104.(Refer to figure 51.) The traffic p avoid flights over an area to the A) south of the airport.B) north of the airport.C) southeast of the airport.	J13 atterns indicated in the seg	PVT mented circle have been arranged to
105. (Refer to figure 51.) The segment A) left-hand for Runway 36 and B) left-hand for Runway 18 and C) right-hand for Runway 9 and	right-hand for Runway 18. right-hand for Runway 36.	PVT airport traffic is
106. (Refer to figure 50.) If the wind is on A) Runway 18 and expect a cross B) Runway 22 directly into the wind is on C) Runway 36 and expect a cross	sswind from the right. rind.	PVT lirection indicator, the pilot should land
107. (Refer to figure 50.) Select the p A) Left-hand traffic and Runway B) Right-hand traffic and Runwa C) Left-hand traffic and Runway	18. y 18.	PVT way for landing.
108. H9 During the preflight inspection w A) The pilot in command. B) The certificated mechanic wh	ho is responsible for determ	PVT nining the aircraft is safe for flight? pection.

C) The owner or opera	ator.		
109.	H516	PVT	
When taxiing with stro	ng quartering tailwinds, w	hich aileron positions should be used?	
A) Aileron down on the	e downwind side.		
B) Ailerons neutral.			
C) Aileron down on the	e side from which the wind	I is blowing.	
110.	H516	PVT	
`	a A.) How should the flight a left quartering headwin	controls be held while taxiing a tricycle-gear d?	
A) Left aileron up, elev	/ator neutral.		
B) Left aileron down, e	elevator neutral.		
C) Left aileron up, elev	ator down.		
111.	J13	PVT	
If instructed by ground	I control to taxi to Runway	9, the pilot may proceed	
A) via taxiways and ac	cross runways to, but not	onto, Runway 9.	
B) to the next intersec	ting runway where further	clearance is required.	
C) via taxiways and ad	cross runways to Runway	9, where an immediate takeoff may be made.	
112.	J13	PVT	
After landing at a towe	er-controlled airport, when	should the pilot contact ground control?	
A) When advised by the	ne tower to do so.		
B) Prior to turning off t	he runway.		
C) After reaching a tax	kiway that leads directly to	the parking area.	
113.	J12	PVT	
If the aircraft`s radio fa	ails, what is the recommer	ded procedure when landing at a controlled air	port?
A) Observe the traffic	flow, enter the pattern, ar	d look for a light signal from the tower.	
B) Enter a crosswind l	eg and rock the wings.		
C) Flash the landing li	ghts and cycle the landing	gear while circling the airport.	
114.	J14	PVT	
What ATC facility shou airspace?	uld the pilot contact to rec	eive a special VFR departure clearance in Class	s D
A) Automated Flight S	ervice Station.		
B) Air Traffic Control T	ower.		

C) Air Route Traffic Contro	ol Center.	
115.	J11	PVT
	•	is not in operation, which frequency should be used as -) to monitor airport traffic?
116.	J11	PVT
		nmended communications procedure for a landing at
A) Transmit intentions on 1 pattern.	122.9 MHz when 10	O miles out and give position reports in the traffic
B) Contact Elizabeth City F	SS for airport advi	sory service.
C) Contact New Bern FSS	for area traffic info	rmation.
117.	J11	PVT
•	•	Coeur D'Alene, which frequency should be used as a to self-announce position and intentions?
118.	J11	PVT
(Refer to figure 23, area 2; Common Traffic Advisory I A) 122.05 MHz. B) 135.075 MHz. C) 122.8 MHz.	•	Coeur D'Alene, which frequency should be used as a to monitor airport traffic?
119.	J11	PVT
(Refer to figure 23, area 2; Coeur D'Alene to request f A) 135.075 MHz. B) 122.1/108.8 MHz. C) 122.8 MHz.	•	nat is the correct UNICOM frequency to be used at
120.	J11	PVT

(Refer to figure 27, area 2.) Wh land at Cooperstown Airport?	at is the recommended com	munication procedure when inbound to
·	0 miles out on the CTAF/MI	JLTICOM frequency, 122.9 MHz.
B) Contact UNICOM when 10 n		521166W Hoquottoy, 122.6 WH2.
C) Circle the airport in a left turn		
	i prior to oritoring traino.	
121.	J11	PVT
(Refer to figure 27, area 4.) The	CTAF/UNICOM frequency	at Jamestown Airport is
A) 122.0 MHz.		
B) 123.0 MHz.		
C) 123.6 MHz.		
122.	J27	PVT
When departing behind a heavy aircraft	aircraft, the pilot should av	oid wake turbulence by maneuvering the
A) below and downwind from th	e heavy aircraft.	
B) above and upwind from the h	neavy aircraft.	
C) below and upwind from the h	neavy aircraft.	
123.	J27	PVT
When landing behind a large ai	rcraft, the pilot should avoid	wake turbulence by staying
A) above the large aircraft's fina point.	al approach path and landing	g beyond the large aircraft's touchdown
B) below the large aircraft's fina point.	l approach path and landing	g before the large aircraft's touchdown
C) above the large aircraft's fina point.	al approach path and landing	g before the large aircraft's touchdown
124.	J27	PVT
The greatest vortex strength oc	curs when the generating ai	rcraft is
A) light, dirty, and fast.		
B) heavy, dirty, and fast.		
C) heavy, clean, and slow.		
125.	J27	PVT
When taking off or landing at ar particularly alert to the hazards A) rise from a crossing runway	of wingtip vortices because	this turbulence tends to
B) rise into the traffic pattern ar	ea surrounding the airport	

C) sink into the flightpath of airc	raft operating below the airc	craft generating the turbulence.
126.	J08	PVT
(Refer to figure 26, area 4.) The northwest of Fort Worth Meacha A) at the surface. B) 3,200 feet MSL. C) 4,000 feet MSL.	·	verlying Hicks Airport (T67) north-
127.	J08	PVT
(Refer to figure 26, area 2.) The A) at the surface. B) 3,000 feet MSL. C) 3,100 feet MSL.	floor of Class B airspace a	t Addison Airport is
128.	J08	PVT
Which initial action should a pilon A) Contact approach control on B) Contact the tower and reques C) Contact the FSS for traffic ac	the appropriate frequency. st permission to enter.	
129.	J08	PVT
Jnder what condition may an ai A) The pilot must file a flight pla B) The pilot must monitor ATC (C) The pilot must contact ATC a	n prior to departure. until clear of the Class C airs	•
130. All operations within Class C air A) accordance with instrument f B) compliance with ATC clearar C) an aircraft equipped with a 40	light rules. nces and instructions.	PVT Mode C encoding capability.
131.	J08	PVT
The normal radius of the outer a		
A) 5 nautical miles.		
3) 15 nautical miles.		
C) 20 nautical miles.		

132.	J08	PVT
The vertical limit of Class C airs	pace above the primary airp	ort is normally
A) 1,200 feet AGL.		
B) 3,000 feet AGL.		
C) 4,000 feet AGL.		
133.	J37	PVT
		ah Class C airspace at the shelf area
A) 1,300 feet AGL.		
B) 1,300 feet MSL.		
C) 1,700 feet MSL.		
134.	J08	PVT
		ace as that designated for the primary
airport, requires radio communic	-	
A) satellite airport's UNICOM.		
B) associated Flight Service Sta	tion.	
C) primary airport's control towe	r.	
135.	J08	PVT
The lateral dimensions of Class		FVI
A) the number of airports that lie	•	2
B) 5 statute miles from the geog	•	
C) the instrument procedures fo	•	•
o, are menument procedures to	i milon and contactica and pe	
136.	J08	PVT
(Refer to figure 23, area 3.) The Federal Airway over Magee Airp		of Class E airspace designated as a
A) 1,200 feet AGL to 17,999 fee	t MSL.	
B) 700 feet MSL to 12,500 feet I	MSL.	
C) 7,500 feet MSL to 17,999 fee	et MSL.	
137.	J10	PVT
(Refer to figure 22, area 3.) What	at type military flight operation	ons should a pilot expect along IR 644?
A) IFR training flights above 1,5	00 feet AGL at speeds in ex	cess of 250 knots.
B) VFR training flights above 1,5	500 feet AGL at speeds less	than 250 knots.
C) Instrument training flights bel	ow 1,500 feet AGL at speed	ds in excess of 150 knots.

138.	J11	PVT
An ATC radar facility issue	s the following advis	sory to a pilot flying on a heading of 090°:
'TRAFFIC 3 O'CLOCK, 2 M	MILES, WESTBOUN	D'
Where should the pilot look	k for this traffic?	
A) East.		
B) South.		
C) West.		
o) 1100tt		
139.	J09	PVT
Responsibility for collision	avoidance in an aler	t area rests with
A) the controlling agency.		
B) all pilots.		
C) Air Traffic Control.		
140	J09	PVT
140.		
MOA?) what nazards to ai	rcraft may exist in areas, such as Devils Lake East
A) Unusual, often invisible missiles.	, hazards to aircraft,	such as artillery firing, aerial gunnery, or guided
B) Military training activitie	s that necessitate ac	robatic or abrupt flight maneuvers.
C) High volume of pilot tra	ining or an unusual t	ype of aerial activity.
141.	J09	PVT
(Refer to figure 21 area 4.)	What hazards to air	craft may exist in restricted areas such as R-5302B?
A) Unusual, often invisible	, hazards such as ae	erial gunnery or guided missiles.
B) Military training activitie	s that necessitate ac	robatic or abrupt flight maneuvers.
C) High volume of pilot tra	ining or an unusual t	ype of aerial activity.
142.	J28	PVT
(Refer to figure 27, area 3. no lower than) When flying over A	rrowwood National Wildlife Refuge, a pilot should fly
A) 2,000 feet AGL.		
B) 2,500 feet AGL.		
C) 3,000 feet AGL.		
143.	J37	PVT
(Refer to figure 27, area 1.) Identify the airspac	e over Lowe Airport.
A) Class G airspace - surfa	ace up to but not incl	uding 18,000 feet MSL.

B) Class G airspace 14,500 feet MSL.	e - surface up to but not inclu	ding 700 feet MSL, Class E airspace - 700 feet to
-	e - surface up to but not inclu ncluding 18,000 feet MSL.	iding 1,200 feet AGL, Class E airspace - 1,200 feet
144.	H526	PVT
Which would provid	le the greatest gain in altitude	e in the shortest distance during climb after takeoff?
A) VY.		
B) VA.		
C) VX.		
145.	H527	PVT
After takeoff, which	airspeed would the pilot use	to gain the most altitude in a given period of time?
A) VY.		
B) VX.		
C) VA.		
146.	H567	PVT
• • •	t, you observe a steady red li	ght and a flashing red light ahead and at the same ent of the other aircraft?
A) The other aircraft	it is crossing to the left.	
B) The other aircraft	t is crossing to the right.	
C) The other aircraft	ft is approaching head-on.	
147.	H567	PVT
	t, you observe steady red and tion of movement of the othe	d green lights ahead and at the same altitude. What raircraft?
A) The other aircraft	t is crossing to the left.	
B) The other aircraft	t is flying away from you.	
C) The other aircraft	ft is approaching head-on.	
148.	H567	PVT
	-	e light and a flashing red light ahead and at the novement of the other aircraft?
A) The other aircraft	t is flying away from you.	
B) The other aircraft	t is crossing to the left.	
C) The other aircraft	ft is crossing to the right.	
149.	H507	PVT

Prior to starting each	ch maneuver, pilots should	
A) check altitude, a	irspeed, and heading indicat	tions.
B) visually scan the	e entire area for collision avo	idance.
C) announce their i	ntentions on the nearest CT	AF.
150.	H995	PVT
What is the most ef	ffective way to use the eyes	during night flight?
A) Look only at far	away, dim lights.	
B) Scan slowly to p	ermit offcenter viewing.	
C) Concentrate dire	ectly on each object for a few	v seconds.
151.	H995	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	<i>'</i> .
B) scan the visual f	ield very rapidly.	
C) look to the side	of the object and scan rapidl	y.
152.	H995	PVT
The most effective hours is to use	method of scanning for othe	r aircraft for collision avoidance during nighttime
A) regularly spaced	d concentration on the 3-, 9-,	and 12-o'clock positions.
B) a series of short	, regularly spaced eye move	ments to search each 30-degree sector.
C) peripheral vision	n by scanning small sectors a	and utilizing offcenter viewing.
153.	J14	PVT
What procedure is	recommended when climbin	g or descending VFR on an airway?
A) Execute gentle b	oanks, left and right for conti	nuous visual scanning of the airspace.
B) Advise the near	est FSS of the altitude chang	jes.
C) Fly away from the	ne centerline of the airway be	efore changing altitude.
154.	J27	PVT
Wingtip vortices are	e created only when an aircr	aft is
A) operating at high	n airspeeds.	
B) heavily loaded.		
C) developing lift.		
155.	J27	PVT
The wind condition	that requires maximum caut	ion when avoiding wake turbulence on landing is a

A) light, quartering headwing	d.	
B) light, quartering tailwind.		
C) strong headwind.		
156.	H994	PVT
Large accumulations of carb	oon monoxide in the human l	body result in
A) tightness across the forel	head.	
B) loss of muscular power.		
C) an increased sense of we	ell-being.	
		_,
157.	H994	PVT
	noxide poisoning increases a	is .
A) altitude increases.		
B) altitude decreases.		
C) air pressure increases.		
158.	J31	PVT
		or terrain features during flight?
A) Haze causes the eyes to	•	iterrain reactives during night:
	•	relative movement easily
•	rk in haze and do not detect	·
C) All trailic of terrain feature	es appear to be farther away	rnan their actual distance.
159.	J31	PVT
Which statement best define	es hypoxia?	
A) A state of oxygen deficier	• •	
B) An abnormal increase in	•	
•	e formation around the joints	or muscles
o, it contained of gue bubble	romation around the jointe	or massics.
160.	J31	PVT
The most effective method of the cours is to use	of scanning for other aircraft	for collision avoidance during daylight
A) regularly spaced concent	ration on the 3-, 9-, and 12-o	o'clock positions.
B) a series of short, regularly	y spaced eye movements to	search each 10-degree sector.
C) peripheral vision by scan	ning small sectors and utilizi	ng offcenter viewing.
161.	J31	PVT
Rapid or extra deep breathir A) hyperventilation.	ng while using oxygen can c	ause a condition known as
-, -, p = - : = : : : : : : : : : : : : : : : :		

B) aerosinusitis.		
C) aerotitis.		
162.	J31	PVT
Which technique should a piflight?	ilot use to scan for traffic to the	e right and left during straight-and-level
A) Systematically focus on c	different segments of the sky fo	or short intervals.
B) Concentrate on relative n	novement detected in the perip	oheral vision area.
C) Continuous sweeping of	the windshield from right to lef	t.
163.	J31	PVT
How can you determine if ar	nother aircraft is on a collision	course with your aircraft?
A) The other aircraft will alw	ays appear to get larger and c	loser at a rapid rate.
B) The nose of each aircraft	is pointed at the same point in	n space.
C) There will be no apparen	t relative motion between your	aircraft and the other aircraft.
164.	J31	PVT
If a pilot experiences spatial way to overcome the effect i		a restricted visibility condition, the best
A) rely upon the aircraft insti	rument indications.	
B) concentrate on yaw, pitch	n, and roll sensations.	
C) consciously slow the brea	athing rate until symptoms clea	ar and then resume normal breathing rate.
165.	H994	PVT
Pilots are more subject to sp	patial disorientation if	
A) they ignore the sensation	s of muscles and inner ear.	
B) body signals are used to	interpret flight attitude.	
C) eyes are moved often in	the process of cross-checking	the flight instruments.
166.	J31	PVT
The danger of spatial disorie	entation during flight in poor vis	sual conditions may be reduced by
A) shifting the eyes quickly b	petween the exterior visual fiel	d and the instrument panel.
B) having faith in the instrum	nents rather than taking a char	nce on the sensory organs.
C) leaning the body in the op	pposite direction of the motion	of the aircraft.
167.	J12	PVT
The correct method of statin	g 4,500 feet MSL to ATC is	
A) 'FOUR THOUSAND FIVE	HUNDRED.'	

C) FORTY-FIVE HUNDRI	ED FEET MSL.'		
168. The correct method of star A) 'TEN THOUSAND, FIV B) 'TEN POINT FIVE.' C) 'ONE ZERO THOUSAN	E HUNDRED FEET.	1	
169.Pilots flying over a nationalA) 1,000 feet AGL.B) 2,000 feet AGL.C) 3,000 feet AGL.	J28 al wildlife refuge are	PVT requested to fly no lower than	
170.(Refer to figure 21, area 2A) 20 feet.B) 36 feet.C) 360 feet.	J37 .) The elevation of th	PVT ne Chesapeake Regional Airport is	
171. (Refer to figure 21, area 5 A) Unmarked blimp hange B) Unmarked balloon on c C) Unmarked balloon on c	ers at 300 feet MSL. cable to 3,000 feet A		
172. (Refer to figure 22.) On who Service (HIWAS) in the violation (HIW	•	PVT pilot receive Hazardous Inflight Weather Adviso	ory
173. (Refer to figure 26.) At wh A) Fort Worth Meacham a B) Dallas-Fort Worth Inter	nd Fort Worth Spink		

C) Addison and Redbird.		
174.	J37	PVT
A) compulsory reporting po	pint for Norfolk Clas pint for Hampton Ro	•
175.	J37	PVT
(Refer to figure 22.) Which A) Minot Intl. (area 1) and B) Minot Intl. (area 1) and C) Mercer County Regional	Mercer County Reg Garrison (area 2).	
176.	J37	PVT
(Refer to figure 26, area 2. A) 122.95 MHz. B) 126.0 MHz. C) 133.4 MHz.) The control tower	frequency for Addison Airport is
177.	J37	PVT
(Refer to figure 24.) The flat Airport, and Ridgeland Airp	• •	sboro Bullock County Airport, Claxton-Evans County
A) outer boundaries of Sav	annah Class C airs	pace.
B) airports with special traf	•	
C) visual checkpoints to ideairspace.	entify position for in	itial callup prior to entering Savannah Class C
178.	J37	PVT
(Refer to figure 26, area 4. A) Class B airspace to 10,0 B) Class C airspace to 5,00	000 feet MSL.	ctly overlying Fort Worth Meacham is
C) Class D airspace to 3,2	00 feet MSL.	
179.	J37	PVT
(Refer to figure 24, area 3. southwest of Savannah Int	-	of the lighted obstacle approximately 6 nautical miles
A) 1,500 feet MSL.		
B) 1,531 feet AGL.		

C) 1,549 feet MSL.		
180.	J37	PVT
(Refer to figure 22.) The t Lake (area 2) varies from A) sea level to 2,000 feet B) 2,000 feet to 2,500 fee C) 2,000 feet to 2,700 fee	MSL. t MSL.	e light tan area between Minot (area 1) and Audubon
181.	J37	PVT
(Refer to figure 21, area 1 Norfolk International? A) Mode C transponder a		dio equipment is required to land and take off at
B) Mode C transponder a		
C) Mode C transponder, of	omnireceiver, and DI	ME.
182.	J37	PVT
(Refer to figure 26, area 7A) 700 feet AGL. B) 2,900 feet MSL. C) 2,500 feet MSL.	'.) The airspace over	lying Mc Kinney (TKI) is controlled from the surface to
183.	J37	PVT
	the surface to the flo the surface to 1,200	
184.	J37	PVT
(Refer to figure 26, area 8 in the congested area south) 2,555 feet MSL. B) 3,449 feet MSL. C) 3,349 feet MSL.	-	titude is required to fly over the Cedar Hill TV towers
185.	H981	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.		
•	H987 ine the magnetic heading for a flight The wind is from 215° at 25 knots, a	
187.	H981	PVT
- ·	ocated in the mountain standard tim	standard time zone at 0845 CST for ne zone. The landing should be at
188.	H981	PVT
	to an airport located in the Pacific s	in standard time zone at 1615 MST standard time zone. The estimated
189.	H987	PVT
	ine the magnetic course from Airpai	rk East Airport (area 1) to Winnsboro
190.	H983	PVT
(Refer to figure 28.) An airci	raft departs an airport in the Pacific ocated in the central standard time	standard time zone at 1030 PST for zone. The landing should be at what

B) 2130Z. C) 2230Z.		
191.	H983	PVT
3) to Minot Internation		e en route from Mercer County Regional Airport (are from 330° at 25 knots and the true airspeed is 100 imb-out.
A) 44 minutes.		
B) 48 minutes.		
C) 52 minutes.		
192.	H981	PVT
for a 2-hour 30-minu		oort in the mountain standard time zone at 1515 MS7 ted in the Pacific standard time zone. What is the port?
193.	H983	PVT
` •	he wind is from 200° at 20	e en route for a flight from Denton Muni (area 1) to knots, the true airspeed is 110 knots, and the
194.	H983	PVT
(Refer to figure 23.)	Determine the magnetic l	neading for a flight from St. Maries Airport (area 4) to 340° at 10 knots, and the true airspeed is 90 knots.
195.	H983	PVT
(area 1) to Claxton-E	What is the estimated time	te en route for a flight from Allendale County Airport a 2)? The wind is from 100° at 18 knots and the true o-out.

C) 33 minutes.		
196.	H983	PVT
Airport (area 2) to true airspeed is 85 A) 35 minutes.	•	e en route for a flight from Claxton-Evans County area 1)? The wind is from 290° at 18 knots and the limb-out.
B) 39 minutes.		
C) 44 minutes.		
197.	H983	PVT
1) to Claxton-Evar airspeed is 90 kno	ns County Airport (area 2).	neading for a flight from Allendale County Airport (area The wind is from 090° at 16 knots, and the true
A) 208°.		
B) 212°.		
C) 230°.		
198.	H983	PVT
	Hampton Varnville Airport (mpass heading for a flight from Claxton-Evans County area 1). The wind is from 280° at 08 knots, and the
A) 033°.		
B) 038°.		
C) 042°.		
199.	H987	PVT
(Refer to figure 21 Roads Airport (are		course from First Flight Airport (area 5) to Hampton
A) 141°.		
B) 321°.		
C) 331°.		
200.	H987	PVT
(Refer to figure 27 Jamestown Airpor		course from Breckheimer (Pvt) Airport (area 1) to
A) 180°.		
B) 188°.		
C) 360°.		

201.	H983	PVT
•	to First Flight Airport (area 5), your then over Chesapeake Municipal at	flight passes over Hampton Roads 1501. At what time should your
B) 1521.		
C) 1526.		
202	11004	D\/T
 202. (Refer to figure 22, area 2.) Valuatitude and 100° 53 minutes A) Linrud. B) Crooked Lake. C) Johnson. 	H981 Which airport is located at approxim 00 seconds W longitude?	PVT ately 47° 39 minutes 30 seconds N
O) 0011113011.		
203.	H981	PVT
• ,	aft departs an airport in the eastern cated in the central daylight time zo	. •
204.	H987	PVT
(Refer to figure 23.) What is	the magnetic heading for a flight fro ea 3)? The wind is from 030° at 12	m Priest River Airport (area 1) to
A) 118°.		
B) 143°.		
C) 136°.		
205.	H987	PVT
	the estimated time en route from Sa wind is from 215° at 25 knots, and	
206.	H987	PVT

	ınty Airport (area 🤇	ed time en route for a flight from Priest River Airport 3). The wind is from 030 at 12 knots and the true ab-out.
207.	H987	PVT
(Refer to figure 23.) What	is the estimated tea 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.
B) 43 minutes.		
C) 48 minutes.		
208.	H981	PVT
(Refer to figure 21, area 3 Airport. A) 36°24'N - 76°01'W. B) 36°48'N - 76°01'W. C) 47°24'N - 75°58'W.	.) Determine the a	approximate latitude and longitude of Currituck County
209.	H987	PVT
-	The wind is from 3	c heading for a flight from Fort Worth Meacham (area 4) 30° at 25 knots, the true airspeed is 110 knots, and the
B) 017°.		
C) 023°.		
210.	J15	PVT
	e than one cruisir	ng altitude is intended, which should be entered in block
B) Highest cruising altitude	e.	
C) Lowest cruising altitude	Э.	
211.	J15	PVT
(Refer to figure 52.) What	information shoul	d be entered in block 9 for a VFR day flight?

A) The name of the airport o	of first intended landing.	
B) The name of destination a	airport if no stopover for more t	han 1 hour is anticipated.
C) The name of the airport v	where the aircraft is based.	
212.	J25	PVT
	blished with an En Route Flight	Advisory Service (EFAS) station, and
•		on hazardous weather, and altimeter
B) Call flight assistance on 1	22.5 for advisory service perta	ining to severe weather.
C) Call Flight Watch on 122. along proposed route.	0 for information regarding actu	ual weather and thunderstorm activity
213.	H989	PVT
(Refer to figure 31, illustration heading is A) 135°. B) 270°. C) 360°.	on 8.) If the magnetic bearing To	O the station is 135°, the magnetic
214.	H989	PVT
	on 1.) What outbound bearing is	s the aircraft crossing?
215.	H989	PVT
(Refer to figure 30.) Which A crosswind? A) 1. B) 2. C) 4.	ADF indication represents the a	ircraft tracking TO the station with a right
216.	H989	PVT
	on 3.) What is the magnetic bea	

217.	H989	PVT
(Refer to figure 30 TO the station.	0, illustration 2.) Determine the	e approximate heading to intercept the 180° bearing
A) 040°.		
B) 160°.		
C) 220°.		
218.	H989	PVT
(Refer to figure 30	0, illustration 2.) What magnet	c bearing should the pilot use to fly TO the station?
A) 010°.		
B) 145°.		
C) 190°.		
219.	H989	PVT
(Refer to figure 30	0, illustration 1.) Determine the	e magnetic bearing TO the station.
A) 030°.		
B) 180°.		
C) 210°.		
220.	H989	PVT
(Refer to figure 3	1, illustration 1.) The relative b	earing TO the station is
A) 045°.		
B) 180°.		
C) 315°.		
221.	H989	PVT
(Refer to figure 29 aircraft crossing?	9, illustration 8.) The VOR rece	eiver has the indications shown. What radial is the
A) 030°.		
B) 210°.		
C) 300°.		
222.	H989	PVT
	_	D.) The VOR is tuned to Jamestown VOR, and the Which VOR indication is correct?
A) 1.	ı	
B) 4.		
C) 6.		

223.	H989	PVT
(Refer to figure 29, illustration aircraft's position relative to the	n 3.) The VOR receiver has the indi he station?	cations shown. What is the
A) East.		
B) Southeast.		
C) West.		
224.	H989	PVT
(Refer to figure 26, area 5.) T selector (OBS) is set on 253°		Worth VORTAC. The omnibearing
A) East-northeast.		
B) North-northeast.		
C) West-southwest.		
225.	H989	PVT
	e 29.) The VOR is tuned to Bonham f Sulphur Springs (area 5). Which V	n VORTAC (area 3), and the aircraft OR indication is correct?
226.	H989	PVT
` ,	course should the VOR receiver (Cea 1) to Quitman VORTAC (area 2)	,
227.	H989	PVT
(Refer to figure 22.) What co	urse should be selected on the omr	nibearing selector (OBS) to make a Minot VORTAC (area 1) with a TO
228.	H989	PVT

(Refer to figure 21, area 3 is positioned over Shawbo A) 2. B) 5. C) 9.	•	The VOR is tuned to Elizabeth City VOR, and idication is correct?	nd the aircraft
229.	H989	PVT	
•		ate position on low altitude airway Victor 1, es you are on the 340° radial of Elizabeth (
A) 15 nautical miles from	Norfolk VORTAC		
B) 18 nautical miles from			
C) 23 nautical miles from			
,			
230.	H989	PVT	
	• •	e position of the aircraft if the VOR receive E (area 5) and the 140° radial of Bonham '	
231.	H987	PVT	
(Refer to figure 24.) What	is the approximate ah VORTAC (area	e position of the aircraft if the VOR receive a 3) and the 184° radial of Allendale VOR (a	
232.	H989	PVT	
	hat course should	the VOR receiver (OBS) be set to navigate	e direct from
233. A blue segmented circle o A) Class B.	J37 on a Sectional Cha	PVT art depicts which class airspace?	

J34	PVT
	ver is classified as Class D airspace only
-	
light Service Station is	
J34	PVT
and legend 1.) For info Airport, refer to	ormation about the parachute jumping and glider
the chart.	
ctory.	
NOTAM) publication.	
A01	PVT
ation of aircraft, which	is a category of aircraft?
C.	
der.	
A01	PVT
ation of airmen, which	is a class of aircraft?
der, lighter-than-air.	
l sea, multiengine land	and sea.
o, hot air balloon, gas b	alloon.
A02	PVT
s maneuvering speed?	
A15	PVT
as been performed on	an aircraft. What paperwork is required?
ion of the work done m	oust be entered in the airframe logbook.
	mums are below basic ontrol tower is in operating the Service Station is 134 and legend 1.) For information, refer to the chart. Story. NOTAM) publication. A01 ation of aircraft, which c. ler. A01 ation of airmen, which ler, lighter-than-air. sea, multiengine land of, hot air balloon, gas because maneuvering speed? A15 as been performed on

	was completed, and the n e and engine logbook.	ame of the person who did the work must be
		of certificate held by the person approving the work in the aircraft maintenance records.
240.	A21	PVT
How soon after the co the FAA, Civil Aviation		ntoxicated by alcohol or drugs shall it be reported to
A) No later than 60 da	ays after the motor vehicle	action.
B) No later than 30 wo	orking days after the moto	r vehicle action.
C) Required to be rep	orted upon renewal of me	dical certificate.
241.	A20	PVT
the request of the Adr A) authorized represe	ninistrator, the National Ton ntative of the Department	redical certificate shall present it for inspection upon ransportation Safety Board, or any of Transportation.
B) person in a position	•	
C) federal, state, or lo	cal law enforcement office	r.
242.	A20	PVT
		36-year-old pilot on August 10, this year. To ate, the medical certificate will be valid until midnight
A) August 10, 2 years	later.	
B) August 31, 3 years	later.	
C) August 31, 2 years	later.	
243.	A20	PVT
` ,	ust be in your personal posommand of an aircraft?	ssession or readily accessible in the aircraft while
A) Certificates showin review.	g accomplishment of a ch	eckout in the aircraft and a current biennial flight
•	ith an endorsement show recency of experience.	ing accomplishment of an annual flight review and a
C) An appropriate pilo	ot certificate and an approp	oriate current medical certificate if required.
244.	A23	PVT
What exception, if any passengers who pay f		act as pilot in command of an aircraft carrying
A) If the passengers p	pay all the operating exper	ises.

B) If a donation is made to	a charitable orgar	nization for the flight.
C) There is no exception.		
245.	A21	PVT
A certificated private pilot make is entered in the pilot's logb	•	t in command of an aircraft towing a glider unless there f
A) 100 hours of pilot flight to	ime in any aircraft	, that the pilot is using to tow a glider.
B) 100 hours of pilot-in-compilot is using to tow a glider		aircraft category, class, and type, if required, that the
C) 200 hours of pilot-in-con pilot is using to tow a glider		aircraft category, class, and type, if required, that the
246.	A20	PVT
performance airplane, that	person must have	
A) passed a flight test in the	•	·
	•	that he or she is competent to act as pilot in command.
C) received ground and flig person's logbook.	ht instruction from	an authorized flight instructor who then endorses that
247.	A20	PVT
The pilot in command is red	quired to hold a ty	pe rating in which aircraft?
A) Aircraft operated under a	an authorization is	ssued by the Administrator.
B) Aircraft having a gross w	eight of more tha	n 12,500 pounds.
C) Aircraft involved in ferry	flights, training flights	ghts, or test flights.
248.	A66	PVT
Unless otherwise specified, A) 700 feet above the surfa B) 1,200 feet above the sur C) the surface up to and income.	ce up to and inclu face up to and inc	cluding 17,999 feet MSL.
249.	B12	PVT
No person may operate an		ic flight when
A) flight visibility is less than		
B) over any congested area C) less than 2,500 feet AGI	•	r settlement.
250.	B12	PVT

What is the lowest altitud	de permitted for acroba	tic flight?
A) 1,000 feet AGL.		
B) 1,500 feet AGL.		
C) 2,000 feet AGL.		
251.	B12	PVT
No person may operate	an aircraft in acrobatic	flight when the flight visibility is less than
A) 3 miles.		
B) 5 miles.		
C) 7 miles.		
252.	B12	PVT
Which is normally prohib	oited when operating a	restricted category civil aircraft?
A) Flight under instrume	nt flight rules.	
B) Flight over a densely	populated area.	
C) Flight within Class D	airspace.	
253.	B07	PVT
Where may an aircraft`s	operating limitations b	e found?
A) On the Airworthiness	Certificate.	
B) In the current, FAA-apor any combination there	•	approved manual material, markings, and placards,
C) In the aircraft airframe	e and engine logbooks	
254.	B13	PVT
flown by an appropriatel	•	aircraft's operation in flight, that aircraft must be test ved for return to service prior to being operated
A) by any private pilot.		
B) with passengers about		
C) for compensation or h	nre.	
255.	B13	PVT
	_	e personnel make the appropriate entries in the raft has been approved for return to service lies with
A) owner or operator.		
B) pilot in command.		
C) mechanic who perfor	med the work.	

256.	B13	PVT
What aircraft inspection	ns are required for rental	aircraft that are also used for flight instruction?
A) Annual condition and	d 100-hour inspections.	
B) Biannual condition a	and 100-hour inspections	i.
C) Annual condition and	d 50-hour inspections.	
257.	B08	PVT
When flying in a VFR c authorized is	orridor designated throu	gh Class B airspace, the maximum speed
A) 180 knots.		
B) 200 knots.		
C) 250 knots.		
258.	B08	PVT
		ocedure to use at a noncontrolled airport?
		y, after crossing the airport boundary.
B) Make all turns to the		
•	A traffic pattern establish	ned for the airport.
, , ,	,	•
259.	B08	PVT
When flying in the airsp	ace underlying Class B	airspace, the maximum speed authorized is
A) 200 knots.		
B) 230 knots.		
C) 250 knots.		
260.	B09	PVT
		R flight operations on an airway below 10,000 feet
MSL?	, , , , , , , , , , , , , , , , , , , ,	3
A) 1 mile.		
B) 3 miles.		
C) 4 miles.		
261.	B09	PVT
		uds are required for VFR operations in Class G
	GL or below during daylig	
A) 1 mile visibility and o	clear of clouds.	
B) 1 mile visibility, 500 clouds.	feet below, 1,000 feet at	pove, and 2,000 feet horizontal clearance from
C) 3 miles visibility and	clear of clouds.	

262.	B09	PVT
The minimum distant MSL is	e from clouds required for	VFR operations on an airway below 10,000 feet
A) remain clear of clo	ouds.	
B) 500 feet below, 1,0	000 feet above, and 2,000	feet horizontally.
C) 500 feet above, 1,	000 feet below, and 2,000	feet horizontally.
263.	B09	PVT
	thin controlled airspace at a common clouds requirement for	altitudes of less than 1,200 feet AGL, the minimum VFR flight is
C) 2,000 feet.		
264.	B08	PVT
		operation within Class C airspace?
•		and a 4096-code transponder.
B) Two-way radio cor	mmunications equipment,	a 4096-code transponder, and DME.
C) Two-way radio cor	mmunications equipment,	a 4096-code transponder, and an encoding altimeter
265.	B08	PVT
	ace are VFR flights prohib	
A) Class A.	3	
B) Class B.		
C) Class C.		
,		
266.	B08	PVT
An operable 4096-co	de transponder and Mode	C encoding altimeter are required in
A) Class B airspace a	and within 30 miles of the 0	Class B primary airport.
B) Class D airspace.		
C) Class E airspace b	pelow 10,000 feet MSL.	
267.	B08	PVT
What minimum pilot of	certification is required for	operation within Class B airspace?
A) Recreational Pilot	•	•
,		ificate with appropriate logbook endorsements.
•	icate with an instrument ra	

268.	B09	PVT
Outside controlled airspace, the AGL and below 10,000 feet MS	• • • • • • • • • • • • • • • • • • • •	irement for VFR flight above 1,200 feet
A) 1 mile.		
B) 3 miles.		
C) 5 miles.		
269.	B13	PVT
Who is primarily responsible fo	r maintaining an aircraft in air	worthy condition?
A) Owner or operator.		
B) Pilot-in-command.		
C) Mechanic.		
270.	B12	PVT
Unless otherwise specifically a experimental certificate	uthorized, no person may ope	rate an aircraft that has an
A) beneath the floor of Class B	airspace.	
B) over a densely populated ar	ea or in a congested airway.	
C) from the primary airport with	iin Class D airspace.	
271.	B13	PVT
The responsibility for ensuring that of the	that an aircraft is maintained i	n an airworthy condition is primarily
A) pilot in command.		
B) owner or operator.		
C) mechanic who performs the	work.	
272.	B07	PVT
No person may attempt to act a	as a crewmember of a civil air	craft with
A) .008 percent by weight or m	ore alcohol in the blood.	
B) .004 percent by weight or m	ore alcohol in the blood.	
C) .04 percent by weight or mo	re alcohol in the blood.	
273.	B07	PVT
Under what condition, if any, modrugs to be carried aboard an a		is obviously under the influence of
A) In an emergency or if the pe	rson is a medical patient unde	er proper care.
B) Only if the person does not l	have access to the cockpit or	pilot's compartment.
C) Under no condition.		

2/4.	B07	PVI
A person may not act as consumed by that person		il aircraft if alcoholic beverages have been
A) 8 hours.		
B) 12 hours.		
C) 24 hours.		
275.	B13	PVT
Completion of an annua be indicated by	I condition inspection an	d the return of the aircraft to service should always
A) the relicensing date of	on the Registration Certif	icate.
B) an appropriate notation	on in the aircraft mainter	nance records.
C) an inspection sticker date.	placed on the instrumen	t panel that lists the annual inspection completion
276.	B08	PVT
When would a pilot be re to deviate from an ATC		iled report of an emergency which caused the pilot
A) Within 48 hours if req	juested by ATC.	
B) Immediately.		
C) Within 7 days.		
277.	B09	PVT
Normal VFR operations visibility to be at least	in Class D airspace with	an operating control tower require the ceiling and
A) 1,000 feet and 1 mile		
B) 1,000 feet and 3 mile	S.	
C) 2,500 feet and 3 mile	S.	
278.	B08	PVT
No person may operate	an aircraft in formation f	light
A) over a densely popul	ated area.	
B) in Class D airspace u	ınder special VFR.	
C) except by prior arrange	gement with the pilot in o	command of each aircraft.
279.	B09	PVT
What is the specific fuel	requirement for flight un	der VFR during daylight hours in an airplane?
A) Enough to complete	the flight at normal cruisi	ng speed with adverse wind conditions.

B) Enough to fly to the first cruising speed.	point of intended la	nding and to fly after that for 30 minutes at normal
C) Enough to fly to the first cruising speed.	point of intended la	nding and to fly after that for 45 minutes at normal
280.	B09	PVT
What is the specific fuel re-	quirement for flight u	nder VFR at night in an airplane?
A) Enough to complete the	flight at normal crui	sing speed with adverse wind conditions.
B) Enough to fly to the first cruising speed.	point of intended la	nding and to fly after that for 30 minutes at normal
C) Enough to fly to the first cruising speed.	point of intended la	nding and to fly after that for 45 minutes at normal
281.	B08	PVT
A steady green light signal pilot	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 othe	r aircraft and continu	e circling.
C) should return for landing	j .	
282.	B13	PVT
An aircraft's annual inspect be due no later than	ction was performed	on July 12, this year. The next annual inspection will
A) July 1, next year.		
B) July 13, next year.		
C) July 31, next year.		
283.	B08	PVT
What action, if any, is appr and is given priority?	opriate if the pilot de	viates from an ATC instruction during an emergency
A) Take no special action s	since you are pilot in	command.
B) File a detailed report wit	hin 48 hours to the	chief of the appropriate ATC facility, if requested.
C) File a report to the EAA		21.1
c) File a report to the FAA	Administrator, as so	on as possible.
284.	Administrator, as so B07	on as possible. PVT
284.	B07	
284.	B07 ermining if an aircraf	PVT
284. Who is responsible for dete	B07 ermining if an aircraf	PVT

285.	B07	PVT
If an in-flight emergen	cy requires immediate ac	tion, the pilot in command may
•	lle of 14 CFR part 91 to the to the the the the the the the the to the	ne extent required to meet the emergency, but must nin 24 hours.
B) deviate from any ru	le of 14 CFR part 91 to the	ne extent required to meet that emergency.
C) not deviate from an the Administrator.	y rule of 14 CFR part 91	unless prior to the deviation approval is granted by
286.	B07	PVT
Under what conditions A) Only in an emerger	s may objects be dropped ncy.	from an aircraft?
, .	• •	mage to persons or property on the surface. eral Aviation Administration.
287.	B07	PVT
Flight crewmembers at A) takeoffs and landing B) all flight conditions. C) flight in turbulent ai	gs.	safety belts and shoulder harnesses fastened during
288.	B08	PVT
As Pilot in Command	of an aircraft, under whicl	h situation can you deviate from an ATC clearance?
A) When operating in	Class A airspace at night	
B) If an ATC clearance	e is not understood and ir	า VFR conditions.
C) In response to a tra	affic alert and collision avo	oidance system resolution advisory.
289.	B07	PVT
Which preflight action	is specifically required of	the pilot prior to each flight?
A) Check the aircraft le	ogbooks for appropriate e	entries.
B) Become familiar wi	th all available informatio	n concerning the flight.
C) Review wake turbu	lence avoidance procedu	ires.
290.	B07	PVT
	eflight actions for a VFR f require the pilot in comr	light away from the vicinity of the departure airport, mand to
A) review traffic contro	ol light signal procedures.	
B) check the accuracy	of the navigation equipm	nent and the emergency locator transmitter (ELT).

C) determine runway lei distance data.	ngths at airports of inte	nded use and the aircraft's takeoff and landing
291.	B08	PVT
Which aircraft has the ri	ght-of-way over the oth	ner aircraft listed?
A) Glider.		
B) Airship.		
C) Aircraft refueling other	er aircraft.	
292.	B08	PVT
What action is required	when two aircraft of the	e same category converge, but not head-on?
A) The faster aircraft sh	all give way.	
B) The aircraft on the le	ft shall give way.	
C) Each aircraft shall gi	ve way to the right.	
293.	B08	PVT
which has the right-of-w A) The motorboat. B) The seaplane.	vay?	ourses. If the motorboat is to the left of the seaplane
C) Both should alter cou	urse to the right.	
294.	B09	PVT
What are the minimum at night?	requirements for airpla	ne operations under special VFR in Class D airspace
A) The airplane must be	under radar surveillar	nce at all times while in Class D airspace.
B) The airplane must be	equipped for IFR with	an altitude reporting transponder.
C) The pilot must be ins	trument rated, and the	airplane must be IFR equipped.
295.	B09	PVT
A special VFR clearance airspace when the visib	-	f an aircraft to operate VFR while within Class D
A) less than 1 mile and	the ceiling is less than	1,000 feet.
B) at least 1 mile and th	e aircraft can remain c	lear of clouds.
C) at least 3 miles and t	he aircraft can remain	clear of clouds.
296.	B11	PVT
•	•	ncoding altimeter is required in which airspace? Class B primary airport), and Class C.

B) Class D and Class E	E (below 10,000 feet MS	SL).
C) Class D and Class 0	G (below 10,000 feet MS	SL).
297.	B08	PVT
Unless otherwise authoriandings or takeoffs	orized, two-way radio co	mmunications with Air Traffic Control are required for
A) at all tower controlle	d airports regardless of	weather conditions.
B) at all tower controlle	d airports only when we	ather conditions are less than VFR.
C) at all tower controlle than VFR.	d airports within Class E	D airspace only when weather conditions are less
298.	G11	PVT
Which incident requires A) A forced landing due		on to the nearest NTSB field office?
B) Landing gear damag	ge, due to a hard landing	g.
C) Flight control system	n malfunction or failure.	
299.	G11	PVT
If an aircraft is involved nearest NTSB field office		sults in substantial damage to the aircraft, the
A) immediately.		
B) within 48 hours.		
C) within 7 days.		
300.	G13	PVT
The operator of an airc report within how many		ved in an accident is required to file an accident
A) 5.		
B) 7.		
C) 10.		
301.	G12	PVT
May aircraft wreckage	be moved prior to the tir	ne the NTSB takes custody?
A) Yes, but only if move	ed by a federal, state, or	r local law enforcement officer.
B) Yes, but only to prot	ect the wreckage from f	urther damage.
C) No, it may not be mo	oved under any circums	tances.
302.	157	PVT
What information is cor	ntained in a CONVECTI	VE SIGMET?

•	e, or widespread dust sto	or greater in diameter. orms lowering visibility to less than 3 miles. equal to or greater than video integrator
processor (VIF) lever 4.		
303.	157	PVT
Which in-flight advisory would cor thunderstorms?	ntain information on seve	re icing not associated with
A) Convective SIGMET.		
B) SIGMET.		
C) AIRMET.		
304.	157	PVT
SIGMETs are issued as a warning A) Small aircraft only. B) Large aircraft only. C) All aircraft.	g of weather conditions h	azardous to which aircraft?
305.	157	PVT
AIRMETs are advisories of signifi and are intended for disseminatio A) only IFR pilots. B) only VFR pilots. C) all pilots.	-	a but of lower intensities than Sigmets
306.	154	PVT
When requesting weather informath) an outlook briefing. B) a standard briefing. C) an abbreviated briefing.		
307.	157	PVT
When the term 'light and variable' and windspeed is A) 0000 and less than 7 knots. B) 9900 and less than 5 knots. C) 9999 and less than 10 knots.	is used in reference to a	Winds Aloft Forecast, the coded group
308.	157	PVT

What values are used for Winds	Aloft Forecasts?	
A) Magnetic direction and knots.		
B) Magnetic direction and miles p	oer hour.	
C) True direction and knots.		
309.	157	PVT
(Refer to figure 17.) What wind is		
A) 230° true at 32 knots.		
B) 230° true at 25 knots.		
C) 230° magnetic at 25 knots.		
310.	155	PVT
For aviation purposes, ceiling is o	-	
A) lowest reported obscuration a		
B) lowest broken or overcast laye	•	
C) lowest layer of clouds reported	d as scattered, broken, o	r thin.
311.	155	PVT
(Refer to figure 12.) The wind dire	ection and velocity at KJI	FK is from
A) 180° true at 4 knots.		
B) 180° magnetic at 4 knots.		
C) 040° true at 18 knots.		
312.	155	PVT
Refer to figure 12.) The remarks		
A) blowing mist has reduced the		
B) rain began at 1835Z.	,	
C) the barometer has risen .35 in	iches Hg.	
313.	155	PVT
· · · · · · · · · · · · · · · · · · ·		ted for Chicago Midway Airport (KMDW)?
A) Sky 700 feet overcast, visibility		
B) Sky 7000 feet overcast, visibil	•	
C) Sky 700 feet overcast, visibilit	y 11, occasionally 2SM, v	with rain.
314.	155	PVT
(Refer to figure 12.) Which of the		
A) All.	-	

B) KINK, KBOI, and KJFK	•		
C) KINK, KBOI, and KLAX	(.		
315. When telephoning a weath A) the aircraft identification B) true airspeed.	-	PVT preflight weather information, pilots should state	
C) fuel on board.			
316. Below FL180, en route we A) 122.0 MHz. B) 122.1 MHz. C) 123.6 MHz.	J25 eather advisories sho	PVT uld be obtained from an FSS on	
317. (Refer to figure 14.) The ir A) moderate at 5,500 feet B) moderate from 5,500 fe C) light from 5,500 feet to	and at 7,200 feet. eet to 7,200 feet.	PVT nce reported at a specific altitude is	
318. (Refer to figure 14.) The b A) 1,800 feet MSL and 5,5 B) 5,500 feet AGL and 7,2 C) 7,200 feet MSL and 8,9	500 feet MSL. 200 feet MSL.	PVT vercast layer reported by a pilot are	
319. (Refer to figure 14.) If the of the base of the ceiling? A) 505 feet AGL. B) 1,295 feet AGL. C) 6,586 feet AGL.		PVT 295 feet MSL, what is the height above ground leve)
320. (Refer to figure 14.) The ir A) light to moderate. B) light to moderate clear.		PVT sing reported by a pilot is	

C) light to moderate rime.		
321.	156	PVT
(Refer to figure 14.) The wind ar A) 090° at 21 MPH and -9 °F. B) 080° at 21 knots and -7 °C. C) 090° at 21 knots and -9 °C.	nd temperature at 12,000	feet MSL as reported by a pilot are
322.	157	PVT
(Refer to figure 15.) What is the A) 1200Z to 1200Z. B) 1200Z to 1800Z. C) 1800Z to 1800Z.	valid period for the TAF	for KMEM?
323.	157	PVT
(Refer to figure 15.) In the TAF f	from KOKC, the clear sky	/ becomes
A) overcast at 2,000 feet during	the forecast period betw	een 2200Z and 2400Z.
B) overcast at 200 feet with a 40 forecast period between 2200Z		ecoming overcast at 600 feet during the
C) overcast at 200 feet with the period between 2200Z and 2400		overcast at 400 feet during the forecast
324.	157	PVT
(Refer to figure 15.) During the t KOKC?	time period from 0600Z to	0 0800Z, what visibility is forecast for
A) Greater than 6 statute miles.		
B) Possibly 6 statute miles.		
C) Not forecasted.		
325.	157	PVT
(Refer to figure 15.) The only clo	oud type forecast in TAF	reports is
A) Nimbostratus.		
B) Cumulonimbus.		
C) Scattered cumulus.		
326.	154	PVT
Individual forecasts for specific r	routes of flight can be ob	tained from which weather source?
A) Transcribed Weather Broadc	asts (TWEBs).	
B) Terminal Forecasts.		

C) Area Forecasts.		
327.	I 54	PVT
Transcribed Weather Broad receiver to certain	dcasts (TWEBs) ma	y be monitored by tuning the appropriate radio
A) airport advisory frequence	cies.	
B) VOR and NDB frequence	ies.	
C) ATIS frequencies.		
328.	H957	PVT
To get a complete weather	briefing for the plan	ned flight, the pilot should request
A) a general briefing.		
B) an abbreviated briefing.		
C) a standard briefing.		
329.	H957	PVT
weather information has be A) Outlook briefing. B) Abbreviated briefing.	-	uest, when departing within the hour, if no preliminary
C) Standard briefing.		
330.	160	PVT
What information is provide charts?	ed by the Radar Sur	nmary Chart that is not shown on other weather
A) Lines and cells of hazard	dous thunderstorms	6 .
B) Ceilings and precipitatio	n between reporting	stations.
C) Types of clouds between	n reporting stations.	
331.	I64	PVT
(Refer to figure 20.) Interpre Weather Prognostic Chart.	et the weather symb	ool depicted in Utah on the 12-hour Significant
A) Moderate turbulence, su	irface to 18,000 fee	t.
B) Thunderstorm tops at 18	3,000 feet.	
C) Base of clear air turbule	nce, 18,000 feet.	
332.	I 59	PVT
(Refer to figure 18.) What v	veather phenomenc	on is causing IFR conditions in central Oklahoma?
A) Low visibility only.		

B) Low ceilings and visibility. C) Heavy rain showers.		
333. (Refer to figure 18.) The margina A) ceiling. B) visibility. C) ceiling and visibility.	I59 I weather in central Kentu	PVT ucky is due to low
334. (Refer to figure 18.) Of what valu A) For determining general weath B) For a forecast of cloud covera C) For determining frontal trends	ner conditions on which to ge, visibilities, and fronta	b base flight planning. I activity.
335. (Refer to figure 18.) The IFR wea A) intermittent rain. B) low ceilings. C) dust devils.	I58 other in northern Texas is	PVT due to
336. (Refer to figure 18.) What is the s peninsula of Michigan? A) Stationary. B) Warm C) Cold.	I58 status of the front that ext	PVT ends from Nebraska through the upper
337. (Refer to figure 18.) According to southern Michigan to north Indiar A) less than 1,000 feet and/or vis B) greater than 3,000 feet and/or visi C) 1,000 to 3,000 feet and/or visi	na is ceilings libility less than 3 miles. sibility greater than 5 mile	PVT Chart, the weather for a flight from es.
338. What is indicated when a current A) Moderate thunderstorms cove		

B) Moderate or severe turbule	nce.	
C) Thunderstorms obscured b	y massive cloud layers.	
339.	I26	PVT
The suffix 'nimbus,' used in na	ming clouds, means	
A) a cloud with extensive verti	cal development.	
B) a rain cloud.		
C) a middle cloud containing is	ce pellets.	
340.	126	PVT
Clouds are divided into four fa	milies according to their	
A) outward shape.		
B) height range.		
C) composition.		
341.	I26	PVT
An almond or lens-shaped clo or more, is referred to as	ud which appears station	ary, but which may contain winds of 50 knots
A) an inactive frontal cloud.		
B) a funnel cloud.		
C) a lenticular cloud.		
342.	126	PVT
Crests of standing mountain w	vaves may be marked by	stationary, lens-shaped clouds known as
A) mammatocumulus clouds.		
B) standing lenticular clouds.		
C) roll clouds.		
343.	126	PVT
What cloud types would indica	ate convective turbulence	?
A) Cirrus clouds.		
B) Nimbostratus clouds.		
C) Towering cumulus clouds.		
344.	I26	PVT
What clouds have the greates	t turbulence?	
A) Towering cumulus.		
B) Cumulonimbus.		

C) Nimbostratus.		
345. What situation is most conducive A) Warm, moist air over low, flatt B) Moist, tropical air moving over C) The movement of cold air over	land areas on clear, calm r cold, offshore water.	
346.If the temperature/dewpoint spre type weather is most likely to deva.A) Freezing precipitation.B) Thunderstorms.C) Fog or low clouds.		PVT ng, and the temperature is 62 °F, what
347. In which situation is advection for A) A warm, moist air mass on the B) An air mass moving inland from C) A light breeze blowing colder	e windward side of mount om the coast in winter.	PVT tains.
348.What types of fog depend upon vA) Radiation fog and ice fog.B) Steam fog and ground fog.C) Advection fog and upslope fog		PVT
349.One of the most easily recognizedA) a change in temperature.B) an increase in cloud coverageC) an increase in relative humiding) .	PVT a front is
350.One weather phenomenon whichA) wind direction.B) type of precipitation.C) stability of the air mass.	I27 n will always occur when	PVT flying across a front is a change in the

351.	127	PVT
Steady precipitation preceding a A) stratiform clouds with modera	te turbulence.	
B) cumuliform clouds with little o	r no turbulence.	
C) stratiform clouds with little or	no turbulence.	
352.	129	PVT
One in-flight condition necessary	for structural icing to form	m is
A) small temperature/dewpoint s	pread.	
B) stratiform clouds.		
C) visible moisture.		
353.	129	PVT
	•	have the highest accumulation rate?
A) Cumulus clouds with below from	eezing temperatures.	
B) Freezing drizzle.		
C) Freezing rain.		
354.	133	PVT
Low-level turbulence can occur a	and icing can become haz	zardous in which type of fog?
A) Rain-induced fog.	· ·	,,
B) Upslope fog.		
C) Steam fog.		
355.	124	PVT
What is meant by the term 'dewp		
A) The temperature at which cor		on are equal.
B) The temperature at which dev	•	
C) The temperature to which air	must be cooled to becom	e saturated.
356.	124	PVT
The amount of water vapor which	h air can hold depends or	n the
A) dewpoint.		
B) air temperature.		
C) stability of the air.		
357.	124	PVT
OO1.	1 4 f	1 V I

Clouds, fog, or dew will alv	ways form when		
A) water vapor condenses			
B) water vapor is present.			
C) relative humidity reache	es 100 percent.		
358.	124	PVT	
What are the processes by	which moisture is a	dded to unsaturated air?	
A) Evaporation and sublim	ation.		
B) Heating and condensat	ion.		
C) Supersaturation and ev	aporation.		
359.	124	PVT	
Which conditions result in	the formation of frost	?	
A) The temperature of the fall on the surface.	collecting surface is	at or below freezing when small droplets of mois	ture
B) The temperature of the dewpoint is below freezing	•	at or below the dewpoint of the adjacent air and	the
C) The temperature of the on the collecting surface.	surrounding air is at	or below freezing when small drops of moisture	fall
360.	124	PVT	
The presence of ice pellets	s at the surface is ev	idence that there	
A) are thunderstorms in the	e area.		
B) has been cold frontal pa	assage.		
C) is a temperature inversi	ion with freezing rain	at a higher altitude.	
361.	122	PVT	
Which factor would tend to	increase the density	altitude at a given airport?	
A) An increase in baromet	ric pressure.		
B) An increase in ambient	temperature.		
C) A decrease in relative h	numidity.		
362.	H951	PVT	
What are the standard tem	nperature and pressu	re values for sea level?	
A) 15 °C and 29.92 inches	Hg.		
3) 59 °C and 1013.2 millib	ars.		
C) 59 °F and 29.92 milliba	rs.		
363.	122	PVT	

Under which condition will pressu	re altitude be equal to tru	ie altitude?
A) When the atmospheric pressu	re is 29.92 inches Hg.	
B) When standard atmospheric c	onditions exist.	
C) When indicated altitude is equ	al to the pressure altitude	e.
364.	122	PVT
Under what condition is pressure	altitude and density altitude	ide the same value?
A) At sea level, when the tempera		
B) When the altimeter has no ins	tallation error.	
C) At standard temperature.		
365.	122	PVT
If a flight is made from an area of	low pressure into an are	a of high pressure without the altimeter
setting being adjusted, the altime	ter will indicate	
A) the actual altitude above sea l	evel.	
B) higher than the actual altitude	above sea level.	
C) lower than the actual altitude a	above sea level.	
366.	122	PVT
Under what condition will true alti		
A) In colder than standard air tem		
B) In warmer than standard air te	•	
C) When density altitude is highe	•	
,		
367.	125	PVT
What is the approximate base of MSL is 70 °F and the dewpoint is		surface air temperature at 1,000 feet
A) 4,000 feet MSL.		
B) 5,000 feet MSL.		
C) 6,000 feet MSL.		
368.	125	PVT
What are characteristics of a moi	•	
A) Cumuliform clouds and showe	ery precipitation.	
B) Poor visibility and smooth air.	o manadadi ada	
C) Stratiform clouds and showery	precipitation.	
369.	125	PVT

What are characteristics of un	nstable air?	
A) Turbulence and good surfa	ace visibility.	
B) Turbulence and poor surfa	ace visibility.	
C) Nimbostratus clouds and g	good surface visibility.	
370.	H955	PVT
A stable air mass is most like	ly to have which characte	ristic?
A) Showery precipitation.		
B) Turbulent air.		
C) Poor surface visibility.		
371.	125	PVT
Moist, stable air flowing upslo	ppe can be expected to	
A) produce stratus type cloud	ls.	
B) cause showers and thunde	erstorms.	
C) develop convective turbule	ence.	
372.	125	PVT
What feature is associated w	ith a temperature inversion	n?
A) A stable layer of air.		
B) An unstable layer of air.		
C) Chinook winds on mounta	in slopes.	
373.	125	PVT
If an unstable air mass is force	ced upward, what type clo	uds can be expected?
A) Stratus clouds with little ve	ertical development.	
B) Stratus clouds with consid	erable associated turbule	nce.
C) Clouds with considerable	vertical development and	associated turbulence.
374.	125	PVT
What measurement can be u	sed to determine the stab	ility of the atmosphere?
A) Atmospheric pressure.		
B) Actual lapse rate.		
C) Surface temperature.		
375.	125	PVT
What would decrease the sta	bility of an air mass?	
A) Warming from below.		

B) Cooling from below.			
C) Decrease in water vapor.			
376.	125	PVT	
What is a characteristic of s	table air?		
A) Stratiform clouds.			
B) Unlimited visibility.			
C) Cumulus clouds.			
377.	I21	PVT	
Every physical process of w	eather is accompa	nied by, or is the result of, a	
A) movement of air.			
B) pressure differential.			
C) heat exchange.			
378.	I21	PVT	
What causes variations in a	ltimeter settings be	tween weather reporting points?	
A) Unequal heating of the E	arth's surface.		
B) Variation of terrain elevat	ion.		
C) Coriolis force.			
379.	l21	PVT	
A temperature inversion wor	uld most likely resu	It in which weather condition?	
A) Clouds with extensive ve	rtical development	above an inversion aloft.	
B) Good visibility in the lower	er levels of the atmo	sphere and poor visibility above an inversion a	loft.
C) An increase in temperatu	ire as altitude is inc	reased.	
380.	l21	PVT	
The most frequent type of glby	round or surface-ba	ased temperature inversion is that which is prod	uced
A) terrestrial radiation on a d	clear, relatively still	night.	
B) warm air being lifted rapid	dly aloft in the vicin	ty of mountainous terrain.	
C) the movement of colder a	air under warm air,	or the movement of warm air over cold air.	
381.	I21	PVT	
Which weather conditions sl when the relative humidity is		peneath a low-level temperature inversion layer	•
A) Smooth air, poor visibility	, fog, haze, or low	clouds.	

B) Light wind shear, poor visibilC) Turbulent air, poor visibility,	•	ds, and showery precipitation.
382.	130	PVT
Which weather phenomenon sign	gnals the beginning of the	e mature stage of a thunderstorm?
A) The appearance of an anvil t	top.	
B) Precipitation beginning to fal	l.	
C) Maximum growth rate of the	clouds.	
383.	130	PVT
The conditions necessary for th A) unstable air containing an ex B) unstable, moist air. C) either stable or unstable air.		bus clouds are a lifting action and clei.
384.	130	PVT
What conditions are necessary		
A) High humidity, lifting force, a		
B) High humidity, high temperate		
C) Lifting force, moist air, and e		
385.	130	PVT
During the life cycle of a thunde	erstorm, which stage is ch	aracterized predominately by downdrafts?
A) Cumulus.		
B) Dissipating.		
C) Mature.		
386.	130	PVT
Thunderstorms reach their grea	atest intensity during the	
A) mature stage.		
B) downdraft stage.		
C) cumulus stage.		
387.	130	PVT
Thunderstorms which generally	produce the most intense	e hazard to aircraft are
A) squall line thunderstorms.		
B) steady-state thunderstorms.		
C) warm front thunderstorms.		

388.	I30	PVT
A nonfrontal, narrow band of acknown as a	tive thunderstorms that o	ften develop ahead of a cold front is a
A) prefrontal system.		
B) squall line.		
C) dry line.		
389.	130	PVT
If there is thunderstorm activity in hazardous atmospheric phenome. A) Precipitation static. B) Wind-shear turbulence. C) Steady rain.	•	t at which you plan to land, which on the landing approach?
390.	130	PVT
Upon encountering severe turbut A) Constant altitude and airspect B) Constant angle of attack. C) Level flight attitude.	_	tion should the pilot attempt to maintain?
391.	130	PVT
What feature is normally associa	ated with the cumulus sta	age of a thunderstorm?
A) Roll cloud.		
B) Continuous updraft.		
C) Frequent lightning.		
392.	136	PVT
Which weather phenomenon is	always associated with a	thunderstorm?
A) Lightning.		
B) Heavy rain.		
C) Hail.		
393.	I28	PVT
Possible mountain wave turbule	ence could be anticipated	when winds of 40 knots or greater blow
A) across a mountain ridge, and	I the air is stable.	
B) down a mountain valley, and	the air is unstable.	
C) parallel to a mountain peak,	and the air is stable.	

394.	123	PVT	
The wind at 5,000 feet AGL direction is primarily due to	is southwesterly while th	e surface wind is southerly. This di	fference in
A) stronger pressure gradie	nt at higher altitudes.		
B) friction between the wind	and the surface.		
C) stronger Coriolis force at	the surface.		
395.	H953	PVT	
Where does wind shear occ	eur?		
A) Only at higher altitudes.			
B) Only at lower altitudes.			
C) At all altitudes, in all direct	ctions.		
396.	H953	PVT	
When may hazardous wind	shear be expected?		
A) When stable air crosses clouds.	a mountain barrier where	it tends to flow in layers forming le	enticular
B) In areas of low-level temp	perature inversion, fronta	I zones, and clear air turbulence.	
			vina
C) Following frontal passage	e when stratocumulus clo	ouds form indicating mechanical mi	xirig.
C) Following frontal passage 397.	e when stratocumulus clo	euds form indicating mechanical mi	xirig.
397.	l28 near zone in a temperatur	-	
397. A pilot can expect a wind-sh	l28 near zone in a temperatur	PVT	
397. A pilot can expect a wind-sh to 4,000 feet above the surface.	l28 near zone in a temperatur	PVT	
397. A pilot can expect a wind-sh to 4,000 feet above the surfa. A) 10 knots.	l28 near zone in a temperatur	PVT	
397. A pilot can expect a wind-sh to 4,000 feet above the surfa. A) 10 knots. B) 15 knots.	l28 near zone in a temperatur	PVT	
397. A pilot can expect a wind-sh to 4,000 feet above the surf. A) 10 knots. B) 15 knots. C) 25 knots.	I28 near zone in a temperatur ace is at least H940	PVT re inversion whenever the windspe	
397. A pilot can expect a wind-sh to 4,000 feet above the surf. A) 10 knots. B) 15 knots. C) 25 knots.	I28 near zone in a temperatur ace is at least H940	PVT re inversion whenever the windspe	
397. A pilot can expect a wind-sh to 4,000 feet above the surfa. A) 10 knots. B) 15 knots. C) 25 knots. 398. Loading an airplane to the n	I28 near zone in a temperatur ace is at least H940 nost aft CG will cause the	PVT re inversion whenever the windspe PVT re airplane to be	
397. A pilot can expect a wind-sh to 4,000 feet above the surf. A) 10 knots. B) 15 knots. C) 25 knots. 398. Loading an airplane to the n A) less stable at all speeds.	I28 near zone in a temperatur ace is at least H940 nost aft CG will cause the	PVT re inversion whenever the windspe PVT re airplane to be re speeds.	
397. A pilot can expect a wind-sh to 4,000 feet above the surface. A) 10 knots. B) 15 knots. C) 25 knots. 398. Loading an airplane to the nation of the property of the stable at all speeds. B) less stable at slow speed	I28 near zone in a temperatur ace is at least H940 nost aft CG will cause the	PVT re inversion whenever the windspe PVT re airplane to be re speeds.	
397. A pilot can expect a wind-sh to 4,000 feet above the surf. A) 10 knots. B) 15 knots. C) 25 knots. 398. Loading an airplane to the n A) less stable at all speeds. B) less stable at slow speed C) less stable at high speed 399.	I28 near zone in a temperaturace is at least H940 nost aft CG will cause the ls, but more stable at high ls, but more stable at low) What is the maximum a	PVT re inversion whenever the windsper PVT re airplane to be re speeds. speeds.	ed at 2,000
397. A pilot can expect a wind-sh to 4,000 feet above the surf. A) 10 knots. B) 15 knots. C) 25 knots. 398. Loading an airplane to the n A) less stable at all speeds. B) less stable at slow speed C) less stable at high speed 399. (Refer to figures 33 and 34.)	I28 near zone in a temperaturace is at least H940 nost aft CG will cause the ls, but more stable at high ls, but more stable at low) What is the maximum a	PVT re inversion whenever the windsper PVT re airplane to be re speeds. speeds. H940	ed at 2,000
397. A pilot can expect a wind-sh to 4,000 feet above the surf. A) 10 knots. B) 15 knots. C) 25 knots. 398. Loading an airplane to the n A) less stable at all speeds. B) less stable at slow speed C) less stable at high speed 399. (Refer to figures 33 and 34, the airplane is loaded as followed.	I28 near zone in a temperaturace is at least H940 nost aft CG will cause the ls, but more stable at high ls, but more stable at low) What is the maximum a	PVT Per inversion whenever the windspersion whenever the windspersion pvT PvT Per airplane to be In speeds.	ed at 2,000

A) 45 pounds. B) 63 pounds. C) 220 pounds.				
400. GIVEN:	H940	PVT		
	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.				
401. H940	PV	Т		
An aircraft is loaded 110 pounds over maximum	•	•	,•	
drained to bring the aircraft weight within limits,	now much fuel shou	lid be drain	ea <i>?</i>	
A) 15.7 gallons.				
B) 16.2 gallons.				
C) 18.4 gallons.				
402.	H9 [,]	40	PV	′ Τ
(Refer to figures 33 and 34.) Determine if the ai	rplane weight and ba	alance is wi	thin limits.	
Front seat occupants	415	5 lb		
Rear seat occupants	110) lb		
Fuel, main tanks	44	gal		
Fuel, aux. tanks	19	gal		
Baggage	32	lb		
A) 19 pounds overweight, CG within limits.				
B) 19 pounds overweight, CG out of limits forward	ard.			
C) Weight within limits, CG out of limits.				
403.	H941		PVT	
(Refer to figure 35.) What is the maximum amount airplane for the CG to remain within the momen		may be load	ded aboard the	

WEIGHT (LB)

MOM/1000

Essentia de Califo		4.050		54 5
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.				
404.		H941		PVT
(Refer to figure 35.) Calculat applicable.	te the moment of the	airplane and d	etermine which catego	ory is
		WEIGHT (LE	3)	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.				
405.		H940		PVT
(Refer to figure 35.) What is takeoff if loaded as follows?	the maximum amou		nay be aboard the airpl	ane on
		WEIGHT (LB)		MOM/1000
Empty weight		1,350		51.5
Pilot and front passenger		340		
Rear passengers		310		
Baggage		45		
Oil, 8 qt				
A) 24 gallons.				
B) 32 gallons.				
C) 40 gallons.				
406.	H940		PVT	

An airplane has been loaded i undesirable flight characteristi A) a longer takeoff run. B) difficulty in recovering from C) stalling at higher-than-norm	c a pilot might experience with a stalled condition.	is located aft of the aft CG limit. One in this airplane would be
What is an advantage of a cor A) Permits the pilot to select a B) Permits the pilot to select the	nd maintain a desired cruising	•
C) Provides a smoother opera	tion with stable RPM and elim	inates vibrations.
408.	1983	PVT
` ,	216° radial of Allendale VOR	osses the 248° radial of Allendale VOR at 1000. What is the estimated time of
409.	A20	PVT
What is the definition of a high A) An airplane with 180 horse B) An airplane with an engine C) An airplane with a normal of	power, or retractable landing of more than 200 horsepower	
410.	A20	PVT
If recency of experience required latest time passengers may be A) 1829. B) 1859. C) 1929.		met and official sunset is 1830, the
411.	B07	PVT
With certain exceptions, safety A) taxi, takeoffs, and landings B) all flight conditions. C) flight in turbulent air.	•	red about passengers during

412.	B07	PVT
Preflight action, as requ	uired for all flights away	from the vicinity of an airport, shall include
A) the designation of a		•
· •	cedures at airports/ he	liports of intended use.
	·	nnot be completed as planned.
-,		and the compression are promised.
413.	O30	PVT
The term 'weigh-off' me	ans to determine the	
A) static equilibrium of	the balloon as loaded fo	or flight.
B) amount of gas requi	red for an ascent to a p	reselected altitude.
C) standard weight and	I balance of the balloon	
414.	O150	PVT
		scent if a cold air mass is encountered and the
envelope becomes coo		cent ii a cold all mass is encountered and the
A) A density differential		
B) A barometric pressu		
C) The contraction of the		
,	J	
415.	O220	PVT
The part of a balloon th	at bears the entire load	I is the
A) envelope material.		
B) envelope seams.		
C) load tapes (or cords).	
416.	J09	PVT
		g under VFR in a Military Operations Area (MOA)?
•		ency prior to entering the MOA.
·	airways that transverse	-
	•	ivity is being conducted.
-,	,	
417.	J09	PVT
A balloon flight through	a restricted area is	
A) permitted at certain	times, but only with pric	or permission by the appropriate authority.
B) permitted anytime, b	out caution should be ex	xercised because of high-speed military aircraft.
C) never permitted.		
418.	J09	PVT

Under what condition,	, if any, may pilots fly throu	gh a restricted area?
A) When flying on airv	ways with an ATC clearand	e.
B) With the controlling	g agency's authorization.	
C) Regulations do not	t allow this.	
419.	P03	PVT
	e taken if a balloon encoun icinity of a thunderstorm?	ters unforecast weather and shifts direction
B) Descend to and ma	aintain the lowest altitude p	possible.
C) Ascend to an altitu	de which will ensure adeq	uate obstacle clearance in all directions.
420.	O30	PVT
The minimum size a la	aunch site should be is at l	east
A) twice the height of	the balloon.	
B) 100 feet for every	1 knot of wind.	
C) 500 feet on the do	wnwind side.	
404	020	PVT
421. What is the relationsh	O30	
	ip of false lift with the wind	
•	as the wind accelerates the	
•	exist if the surface winds a	
C) Faise iiit decreases	s as the wind accelerates t	ne balloon.
422.	J37	PVT
railroad. What minimu Hertford by at least 50	ım altitude must it maintair	at the town of Edenton drifts northeasterly along the to clear all of the obstacles in the vicinity of
A) 805 feet MSL.		
B) 1,000 feet MSL.		
C) 1,015 feet MSL.		
423.	J37	PVT
lighted obstacle. If the	-	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 MSL.		·
B) 1,809 feet MSL.		
C) 3,649 feet MSL.		

424.	H982	PVT
•	a balloon is launched at Rancould be its approximate position	th Aero (Pvt) Airport with a reported wind on after 2 hours of flight?
A) Near Hackney (Pvt) Airpor	t.	
B) Crossing the railroad south	west of Granite Airport.	
C) 3-1/2 miles southwest of R	athdrum.	
425.	H983	PVT
,	remain constant, where will the	Eckelson on a magnetic course of 328° ne balloon be after 2 hours 30 minutes?
B) 4.5 miles north-north west	of Hoggarth Airport (Pvt).	
C) Over Buchanan.		
400	107	DV.
426.	J37	PVT
,	•	ort located near the east end of Lake te elevation of the highest terrain for 20
B) 4,000 - 6,000 feet MSL.		
C) 6,000 - 7,000 feet MSL.		
427.	M52	PVT
FAA advisory circulars (some	free, others at cost) are availa	able to all pilots and are obtained by
A) distribution from the neares	st FAA district office.	
B) ordering those desired from	n the Government Printing Off	ice.
C) subscribing to the Federal	_	
, G	v	
428.	M52	PVT
FAA advisory circulars contain which subject number?	ning subject matter specifically	related to Airspace are issued under
A) 60.		
B) 70.		
C) 90.		
429.	M52	PVT
FAA advisory circulars contain which subject number?	ning subject matter specifically	related to Airmen are issued under

A) 60.		
B) 70.		
C) 90.		
430.	A01	PVT
The definition of nighttime is		
A) sunset to sunrise.		
B) 1 hour after sunset to 1 hou	ur before sunrise.	
C) the time between the end c	of evening civil twilight and th	e beginning of morning civil twilight.
431.	A20	PVT
	•	and fails to notify the FAA Airmen to exercise the privileges of the pilot
A) 30 days after the date of th	e move.	
B) 60 days after the date of th	e move.	
C) 90 days after the date of th	e move.	
432.	A20	PVT
-		ers, a pilot must show by logbook or completion of a pilot proficiency check
A) 6 calendar months.		
B) 12 calendar months.		
C) 24 calendar months.		
433.	A20	PVT
Prior to becoming certified as possession what class of med A) A third-class medical certified B) A statement from a designated of the control of the contro	lical? cate. ated medical examiner.	rating, the pilot must have in his or her
434.	157	PVT
		or local area balloon operations?
A) Winds Aloft Forecasts and	•	
B) Winds Aloft Forecasts and	•	
C) Winds Aloft Forecasts and	•	enorts

435.	I 54	PVT
Which type of weat	her briefing should a pilot re	quest to supplement mass disseminated data?
A) An outlook briefi	ng.	
B) A supplemental		
C) An abbreviated	•	
,		
436.	160	PVT
Radar weather repo	orts are of special interest to	pilots because they indicate
A) large areas of lo	w ceilings and fog.	
B) location of precip	oitation along with type, inter	nsity, and trend.
C) location of preci	pitation along with type, inte	nsity, and cell movement of precipitation.
437.	H401	PVT
The lifting forces who	hich act on a hot air balloon	are primarily the result of the interior air temperature
A) greater than am	bient temperature.	
B) less than ambier	nt temperature.	
C) equal to ambien	t temperature.	
438.	H418	PVT
pilot needs to attair	•	lloon is 1,200 pounds and the maximum height the n temperature to achieve this performance is
A) +37 °F.		
B) +70 °F.		
C) +97 °F.		
439.	H418	PVT
) What is the maximum altitured temperature exists at all a	de for the balloon if the gross weight is 1,100 altitudes?
A) 1,000 feet.		
B) 4,000 feet.		
C) 5,500 feet.		
440.	H418	PVT
` •) What is the maximum altitured temperature exists at all a	de for the balloon if the gross weight is 1,000 altitudes?
A) 4,000 feet.		
B) 5,500 feet.		
C) 11,000 feet.		

441.	H418	PVT	
) The gross weight of the balloo is +51°F. The maximum height	n is 1,350 pounds and the outside air would be	
A) 5,000 feet.			
B) 8,000 feet.			
C) 10,000 feet.			
442.	H407	PVT	
All fuel tanks shoul	ld be fired during preflight to dete	ermine	
A) the burner press	sure and condition of the valves.		
B) that the pilot ligh	nt functions properly on each tan	k.	
C) if there are any	leaks in the tank.		
443.	H427	PVT	
Why should propar	ne tanks not be refueled in a clo	sed trailer or truck?	
A) Propane vapor i trailer.	is one and one-half times heavie	r than air and will linger in the floor of the tru	uck or
B) The propane va	por is odorless and the refuelers	may be overcome by the fumes.	
C) Propane is very	cold and could cause damage t	o the truck or trailer.	
444.	O220	PVT	
•	propane is available, propane we the temperatures of	vill vaporize sufficiently to provide proper	
B) -44 to +25 °F.			
C) -51 to +20 °F.			
,			
445.	O170	PVT	
The initial tempera A) +32 °F.	ture at which propane boils is		
B) -44 °F.			
C) -60 °F.			
446.	O170	PVT	
In hot air balloons,	propane is preferred to butane of	or other hydrocarbons because it	
A) is less volatile.			
B) is slower to vapo	orize.		

C) has a lower boiling point.

447.	O220	PVT
	le, within which temperature range vor burner operation during flight?	vill propane vaporize sufficiently to
448.The valve located on eachA) main tank valve.B) vapor-bleed valve.C) pilot valve.	O220 tank that indicates when the tank is	PVT filled to 80 percent capacity is the
449.The valve located on the to the tank exceeds maximumA) pressure relief valve.B) metering valve.C) blast valve.	H427 p of the propane tank which opens an allowable pressure is the	PVT automatically when the pressure in
450.Burner efficiency of a hot a above MSL?A) 4 percent.B) 8 percent.C) 15 percent.	O220 ir balloon decreases approximately v	PVT what percent for each 1,000 feet
451.On a balloon equipped withA) climbs and descents onlB) altitude control.C) emergencies only.	H415 a a blast valve, the blast valve is use y.	PVT d for
A) Open the regulator or bl	O220 relighting the burner while in flight? ast valve full open and light the pilot ent the fuel lines, reopen the tank va	

C) Open another tan flow.	k valve, open the regulator	or blast valve, and light the main jets with reduced
453.	O220	PVT
Which precaution showhen the air is turbul		nted with the necessity of having to land a balloon
A) Land in any availa	able lake close to the upwin	d shore.
B) Land in the center	of the largest available fie	ld.
C) Land in the trees	to absorb shock forces, thu	s cushioning the landing.
454.	O30	PVT
What causes false lif	t which sometimes occurs	during launch procedures?
A) Closing the mane	uvering vent too rapidly.	
B) Excessive temper	ature within the envelope.	
C) Venturi effect of the	ne wind on the envelope.	
455.	H418	PVT
What is a potential ha	azard when climbing at ma	ximum rate?
A) The envelope may	y collapse.	
B) Deflation ports ma	ay be forced open.	
C) The rapid flow of a	air may extinguish the burn	er and pilot light.
456.	H415	PVT
In a balloon, best fue	el economy in level flight ca	n be accomplished by
A) riding the haze line	e in a temperature inversio	n.
B) short blasts of hea	at at high frequency.	
C) long blasts of hea	t at low frequency.	
457.	J37	PVT
daylight hours over the	he town of Cooperstown be	oud clearance requirements to operate VFR during etween 1,200 feet AGL and 10,000 feet MSL are
A) 1 mile and clear o		and 0,000 foot backers stall. for on the
•		and 2,000 feet horizontally from clouds.
C) 3 miles and 1,000	reet above, 500 reet below	v, and 2,000 feet horizontally from clouds.
458.	A20	PVT
three takeoffs and th		ng passengers, the pilot must have made at least of the same category, class, and if a type rating is

A) 90 days.		
B) 12 calendar months.		
C) 24 calendar months.		
459 .	B11	PVT
n addition to a valid Airwo	orthiness Certificate, w	hat documents or records must be aboard an
A) Aircraft engine and airfi	rame logbooks, and o	wner's manual.
B) Radio operator's permit	t, and repair and altera	ation forms.
C) Operating limitations ar	nd Registration Certific	cate.
460.	B13	PVT
Which records or docume with an applicable Airworth		operator of an aircraft keep to show compliance
A) Aircraft maintenance re	ecords.	
B) Airworthiness Certificat	e and Pilot's Operatin	g Handbook.
C) Airworthiness and Reg	istration Certificates.	
461.	B08	PVT
Which aircraft has the righ	nt-of-way over all other	air traffic?
A) A balloon.		
B) An aircraft in distress.		
C) An aircraft on final appr	roach to land.	
462.	154	PVT
A weather briefing that is parther briefing that is proposed departure tires.		ormation requested is 6 or more hours in advance o
A) an outlook briefing.		
B) a forecast briefing.		
C) a prognostic briefing.		
463.	157	PVT
(Refer to figure 15.) Between	en 1000Z and 1200Z	the visibility at KMEM is forecast to be?
A) 1/2 statute mile.		
B) 3 statute miles.		
C) 6 statute miles.		
464.	157	PVT
(Refer to figure 15.) What	is the forecast wind fo	r KMEM from 1600Z until the end of the forecast?

A) No significant wind.		
B) Variable in direction at 6 knots	3.	
C) Variable in direction at 4 knots	S.	
465	157	PVT
465. (Dafar ta figura 15) la tha TAT fr	157	
(Refer to figure 15.) In the TAF from	-	M) Group' is forecast for the hours from
A) 180° at 10 knots.		
B) 160° at 10 knots.		
C) 180° at 10 knots, becoming 20	00° at 13 knots.	
466.	154	PVT
What should pilots state initially vinformation?	vhen telephoning a weath	ner briefing facility for preflight weather
A) Tell the number of occupants (on board.	
B) Identify themselves as pilots.		
C) State their total flight time.		
407	100	D) /T
467. (Bafan ta finuna 40. ana B.) Wha	160	PVT
(Refer to figure 19, area D.) Wha	t is the direction and spe	ed of movement of the cell?
A) North at 17 knots.		
B) North at 17 MPH.		
C) South at 17 knots.		
468.	160	PVT
(Refer to figure 19, area B.) Wha	t is the top for precipitation	on of the radar return?
A) 24,000 feet AGL.		
B) 24,000 feet MSL.		
C) 2,400 feet MSL.		
, .		
469.	160	PVT
What does the heavy dashed line to?	e that forms a large recta	ngular box on a radar summary chart refe
A) Areas of heavy rain.		
B) Severe weather watch area.		
C) Areas of hail 1/4 inch in diame	eter.	
470	105	D) (T
470.	125	PVT

What early morning weather balloon flight most of the day	•	ibility of good weather conditions for
A) Clear skies and surface w	vinds, 10 knots or less.	
B) Low moving, scattered cu	mulus clouds and surface wind	ls, 5 knots or less.
C) Overcast with stratus clou	uds and surface winds, 5 knots	or less.
471.		PVT
<u> </u>	barometer indicate for balloon	operations?
A) Decreasing clouds and w		
B) Chances of thunderstorm		
C) Approaching frontal activi	ty.	
472.	O220	PVT
•	ne the maximum weight allowal h a temperature of 68 °F. Laund	ble for pilot and passenger for a flight at ch with 20 gallons of propane.
473.	O220	PVT
What constitutes the payload	d of a balloon?	
A) Total gross weight.		
B) Total weight of passenge	rs, cargo, and fuel.	
C) Weight of the aircraft and	equipment.	
474.	J11	PVT
If a control tower and an FSS FSS during those periods whA) Automatic closing of the IB) Approach control services C) Airport Advisory Service.	nen the tower is closed? FR flight plan.	ort, which function is provided by the
475.	J12	PVT
		tial contact with McAlester AFSS is RAVO, RECEIVING ARDMORE
B) 'MC ALESTER STATION OVER.'	, HAWK SIX SIX SIX CEE BEE	, RECEIVING ARDMORE VORTAC,

C) 'MC ALESTER FLIGHT RECEIVING ARDMORE V		, HAWK NOVEMBER SIX CHARLIE BRAVO,
476.	J13	PVT
When should pilots state the	heir position on the air	rport when calling the tower for takeoff?
A) When visibility is less th		
B) When parallel runways		
C) When departing from a	runway intersection.	
477.	J11	PVT
Automatic Terminal Inform concerning	nation Service (ATIS) i	s the continuous broadcast of recorded information
A) pilots of radar-identified obstruction.	aircraft whose aircraf	t is in dangerous proximity to terrain or to an
B) nonessential informatio	n to reduce frequency	congestion.
C) noncontrol information	in selected high-activit	ty terminal areas.
478.	J11	PVT
As standard operating pracontinuously monitor the at A) 25 miles. B) 20 miles. C) 10 miles.		c to an airport without a control tower should n a distance of
479.	J03	PVT
A lighted heliport may be in	300	1 7 1
A) green, yellow, and white	•	
B) flashing yellow light.	- · · · · · · · · · · · · · · · · · · ·	
C) blue lighted square land	ding area.	
, , ,	•	
480.	J03	PVT
A military air station can be	-	ng beacon that emits
A) white and green alterna		
B) two quick, white flashes	•	es.
C) green, yellow, and white	e flashes.	
481.	J03	PVT
How can a military airport	be identified at night?	
A) Alternate white and gre	en light flashes.	

ated

C) the ceiling is at least 5,000 fe	et and visibility is 5 miles or	more.
488.	J11	PVT
From whom should a departing operations? A) Clearance delivery. B) Tower, just before takeoff. C) Ground control, on initial control.		raffic information during ground
489.	J13	PVT
The recommended entry position A) 45° to the base leg just below B) to enter 45° at the midpoint of C) to cross directly over the airpoint of the control of the cross directly over the airpoint of the cross directly over t	traffic pattern altitude. f the downwind leg at traffic	pattern altitude.
490.	J27	PVT
A) Inward, upward, and around (B) Inward, upward, and countered C) Outward, upward, and around	each tip. clockwise.	n wingtip?
491.	J09	PVT
Flight through a restricted area s A) filed an IFR flight plan. B) received prior authorization fr C) received prior permission from	om the controlling agency.	
492.	J08	PVT
A) Sequencing to the primary Cl B) Sequencing to the primary Cl touch, or 1,000 feet vertical sepa	ass C airport and standard ass C airport and conflict rearation.	VFR aircraft at Lincoln Municipal? separation. solution so that radar targets do not ries, conflict resolution, and safety alerts.
493.	J08	PVT
	esignation?	airspace, ceases operation for the day,
, y The anopade designation not	many will flot offallyc.	

B) The airspace remains (system is available.	Class D airspace as	long as a weather observer or automated weather
C) The airspace reverts to tower is not in operation.	Class E or a combi	nation of Class E and G airspace during the hours the
494.	J08	PVT
When a control tower, loc what happens to the airsp	•	thin Class D airspace, ceases operation for the day,
A) The airspace designati	on normally will not	change.
B) The airspace remains (system is available.	Class D airspace as	long as a weather observer or automated weather
C) The airspace reverts to tower is not in operation.	Class E or a combi	nation of Class E and G airspace during the hours the
495.	J08	PVT
to, but does not include,	Class E airspace exte	ends upward from either 700 feet or 1,200 feet AGL
A) 10,000 feet MSL.		
B) 14,500 feet MSL.		
C) 18,000 feet MSL.		
496.	J33	PVT
An ATC clearance provide	es	
A) priority over all other tra	affic.	
B) adequate separation fr	om all traffic.	
C) authorization to procee	ed under specified tra	affic conditions in controlled airspace.
497.	J11	PVT
TRSA Service in the term	inal radar program p	rovides
		iles lateral) between all aircraft.
B) warning to pilots when aircraft.	their aircraft are in u	insafe proximity to terrain, obstructions, or other
C) sequencing and separa	ation for participating	y VFR aircraft.
498.	J10	PVT
Prior to entering an Airpor	t Advisory Area, a p	ilot should
A) monitor ATIS for weath	er and traffic adviso	ries.
B) contact approach contr	ol for vectors to the	traffic pattern.
C) contact the local FSS f	or airport and traffic	advisories.

499.	J31	PVT
How can you determine if ar	nother aircraft is on a co	ollision course with your aircraft?
A) The nose of each aircraft		-
B) The other aircraft will alw		
·		en your aircraft and the other aircraft.
-,		, ,
500.	L34	PVT
Most midair collision accider	nts occur during	
A) hazy days.		
B) clear days.		
C) cloudy nights.		
, , ,		
501.	L34	PVT
Most midair collision accider	nts occur during	
A) hazy days.		
B) clear days.		
C) cloudy nights.		
502.	J11	PVT
When an air traffic controller	r issues radar traffic info	ormation in relation to the 12-hour clock, the
reference the controller uses	s is the aircraft`s	
A) true course.		
B) ground track.		
C) magnetic heading.		
503.	H583	PVT
If an emergency situation re	quires a downwind land	ding, pilots should expect a faster
	•	better control throughout the landing roll.
		, and the likelihood of overshooting the desired
C) groundspeed at touchdown desired touchdown point.	wn, a shorter ground rol	II, and the likelihood of undershooting the
504.	H557	PVT
To minimize the side loads p	placed on the landing g	ear during touchdown, the pilot should keep the
A) direction of motion of the	aircraft parallel to the re	unway.
B) longitudinal axis of the air	rcraft parallel to the dire	ection of its motion.
C) downwind wing lowered s	sufficiently to eliminate	the tendency for the aircraft to drift.

505.	H532	PVT
Select the four fligh	nt fundamentals involved in i	naneuvering an aircraft.
A) Aircraft power, p	oitch, bank, and trim.	
B) Starting, taxiing	, takeoff, and landing.	
C) Straight-and-lev	el flight, turns, climbs, and c	lescents.
506.	H545	PVT
(Refer to figure 63. 90°?) In flying the rectangular co	urse, when would the aircraft be turned less than
A) Corners 1 and 4	l.	
B) Corners 1 and 2	<u>)</u> .	
C) Corners 2 and 4	1.	
507.	H545	PVT
of the road than or	,	consistently smaller half-circle is made on one side ot completed before crossing the road or reference
A) 1-2-3 because t	he bank is decreased too ra	pidly during the latter part of the turn.
B) 4-5-6 because t	he bank is increased too rap	oidly during the early part of the turn.
C) 4-5-6 because t	he bank is increased too slo	wly during the latter part of the turn.
508.	J34	PVT
(Refer to figure 53.) Traffic patterns in effect at	Lincoln Municipal are
A) to the right on R	Sunway 17L and Runway 35	L; to the left on Runway 17R and Runway 35R.
B) to the left on Ru	inway 17L and Runway 35L	to the right on Runway 17R and Runway 35R.
C) to the right on R	Runways 14 - 32.	
509.	J34	PVT
(Refer to figure 53.) Where is Loup City Munici	pal located with relation to the city?
A) Northeast appro	oximately 3 miles.	
B) Northwest appro	oximately 1 mile.	
C) East approxima	tely 10 miles.	
510.	J34	PVT
Information concer	ning parachute jumping site	s may be found in the
A) NOTAMs.		
B) Airport/Facility [Directory.	
C) Graphic Notices	and Supplemental Data	

511.	J15	PVT
(Refer to figure 52.) W	/hat information should b	e entered in block 12 for a VFR day flight?
A) The estimated time	e en route plus 30 minutes	S.
B) The estimated time	e en route plus 45 minutes	3.
C) The amount of usa	ble fuel on board express	sed in time.
512.	J34	PVT
(Refer to figure 53.) W		communications procedure for landing at Lincoln
,	fic and announce your po on 122.95 MHz for traffic	sition and intentions on 118.5 MHz. advisories.
C) Monitor ATIS for ai	rport conditions, then ann	nounce your position on 122.95 MHz.
513.	J34	PVT
A) this airport is desig	nated as an airport of ent	cility Directory for a certain airport indicate that ry. th which to determine your direction from the station.
	irect-line phone to the Fli	-
514.	J01	PVT
How many satellites n	nake up the Global Positi	oning System (GPS)?
A) 22.		
B) 24.		
C) 25.		
515.	H989	PVT
-	sitioning System (GPS) sa gitude, and altitude) and ti	atellites are required to yield a three dimensional me solution?
B) 5.		
C) 6.		
516.	J01	PVT
To use VHF/DF facilit	ies for assistance in locat	ing an aircraft's position, the aircraft must have a
A) VHF transmitter an	d receiver.	
B) 4096-code transpo	nder.	
C) VOR receiver and	DME.	

517.	J11	PVT
Basic radar service in the termi	nal radar program is best des	scribed as
A) safety alerts, traffic advisorie	es, and limited vectoring to VI	FR aircraft.
B) mandatory radar service pro	vided by the Automated Rad	ar Terminal System (ARTS) program.
C) wind-shear warning at partic	•	, , , ,
518.	J15	PVT
What information is contained i		ication (NTAP)?
A) Current NOTAM (D) and FD	C NOTAMS.	
B) All Current NOTAMs.		
C) Current NOTAM (L) and FD	C NOTAMS.	
519.	A01	PVT
With respect to the certification	of aircraft, which is a class o	f aircraft?
A) Airplane, rotorcraft, glider, ba	alloon.	
B) Normal, utility, acrobatic, lim	ited.	
C) Transport, restricted, provisi	onal.	
520.	A13	PVT
What should an owner or opera	ator know about Airworthiness	s Directives (AD's)?
A) They are mandatory.		
B) They are voluntary.		
C) For Informational purposes	only.	
521.	A13	PVT
May a pilot operate an aircraft t	hat is not in compliance with	an Airworthiness Directive (AD)?
A) Yes, AD's are only voluntary	•	,
B) Yes, if allowed by the AD.		
C) Yes, under VFR conditions of	only.	
522.	A16	PVT
Which operation would be desc	cribed as preventive maintena	ance?
A) Repair of landing gear brace	e struts.	
B) Replenishing hydraulic fluid.		
C) Repair of portions of skin sh	eets by making additional sea	ams.
523.	A15	PVT
		d approve it for return to service?
• •		

1. Student or Recreational pile	ot.	
2. Private or Commercial pilot		
3. None of the above.		
A) 1.		
B) 2.		
C) Neither 1 or 2.		
524.	A15	PVT
What regulation allows a priva A) 14 CFR Part 91.403. B) 14 CFR Part 61.113. C) 14 CFR Part 43.7.	ate pilot to perform preventiv	ve maintenance?
525.	A20	PVT
		ust 8, this year, when is the next flight
526.	B12	PVT
In which class of airspace is a A) Class E airspace not desig B) Class E airspace below 1,5 C) Class G airspace above 1,	nated for Federal Airways a 500 feet AGL.	bove 1,500 feet AGL.
527.	B11	PVT
	time period should lighted period to the beginning of morning	position lights be displayed on an aircraft?
528.	B13	PVT
An aircraft had a 100-hour ins inspection due? A) 1349.6 hours. B) 1359.6 hours.	spection when the tachometon	er read 1259.6. When is the next 100-hour

529.	B08	PVT
Unless otherwise authorized, w operate an aircraft below 10,00		d airspeed at which a person may
A) 200 knots.		
B) 250 knots.		
C) 288 knots.		
530.	B09	PVT
During operations outside contribution 10,000 feet MSL, the minimal A) 1 mile. B) 3 miles. C) 5 miles.	•	more than 1,200 feet AGL, but less ight at night is
531.	B09	PVT
•	-	more than 1,200 feet AGL, but less equirement for VFR flight at night is
532.	B09	PVT
The minimum flight visibility received feet AGL in controlled airspace A) 1 mile. B) 3 miles. C) 5 miles.		0,000 feet MSL and more than 1,200
533.	B13	PVT
Who is responsible for ensuringA) Owner or operator.B) Mechanic with inspection auC) Repair station.		D's) are complied with?
534.	B13	PVT
The airworthiness of an aircraft	can be determined by a pref	light inspection and a
A) review of the maintenance re	ecords.	
B) statement from the owner or	operator that the aircraft is a	irworthy.

C) log book endorse	ment from a flight instructo	ır.
535.	B08	PVT
If an altimeter setting altimeter?	ı is not available before fliç	ht, to which altitude should the pilot adjust the
A) The elevation of the	ne nearest airport correcte	d to mean sea level.
B) The elevation of the	ne departure area.	
C) Pressure altitude	corrected for nonstandard	temperature.
536.	B08	PVT
. •	ass D airspace, each pilot oproach slope indicator (V	of an aircraft approaching to land on a runway ASI) shall
A) maintain a 3° glide	e until approximately 1/2 m	nile to the runway before going below the VASI.
B) maintain an altitud landing.	de at or above the glide slo	ppe until a lower altitude is necessary for a safe
C) stay high until the	runway can be reached in	a power-off landing.
537.	B13	PVT
An aircraft`s annual of inspection will be due	•	erformed on July 12, this year. The next annual
A) July 1, next year.		
B) July 13, next year		
C) July 31, next year	•	
538.	B08	PVT
Except when necess operate an aircraft ar	•	what is the minimum safe altitude for a pilot to
A) An altitude allowir or property on the su	-	emergency landing without undue hazard to person
B) An altitude of 500 vehicle, or structure.	feet above the surface an	d no closer than 500 feet to any person, vessel,
C) An altitude of 500	feet above the highest ob	stacle within a horizontal radius of 1,000 feet.
539.	B07	PVT
The final authority as	to the operation of an airc	craft is the
A) Federal Aviation A	Administration.	
B) pilot in command.		
C) aircraft manufactu	ırer.	

540.	B07	PVT
When must a pilot who devideviation to the Administrate	_	ion during an emergency send a written report of that
A) Within 7 days.		
B) Within 10 days.		
C) Upon request.		
541.	B11	PVT
When operating an aircraft 14,000 feet MSL, supplement	•	Ititudes above 12,500 feet MSL up to and including e used during
A) the entire flight time at the	ose altitudes.	
B) that flight time in excess	of 10 minutes at th	ose altitudes.
C) that flight time in excess	of 30 minutes at th	ose altitudes.
542.	B13	PVT
Maintenance records show The next inspection will be	•	er inspection was performed on September 1,2006.
A) September 30, 2007.		
B) September 1, 2008.		
C) September 30, 2008.		
543.	B11	PVT
When are non-rechargeable replaced?	e batteries of an em	ergency locator transmitter (ELT) required to be
A) Every 24 months.		
B) When 50 percent of their	useful life expires.	
C) At the time of each 100-l	nour or annual insp	ection.
544.	B11	PVT
When must batteries in an erechargeable?	emergency locator	ransmitter (ELT) be replaced or recharged, if
A) After any inadvertent act	ivation of the ELT.	
B) When the ELT has been	in use for more tha	n 1 cumulative hour.
C) When the ELT can no lo	nger be heard over	the airplane's communication radio receiver.
545.	B13	PVT
No person may use an ATC preceding	transponder unles	s it has been tested and inspected within at least the
A) 6 calendar months		

B) 12 calendar months.		
C) 24 calendar months.		
546.	B09	PVT
		R flight on a magnetic course of 135°?
A) Even thousandths.		
B) Even thousandths plu	us 500 feet.	
C) Odd thousandths plu		
547.	H957	PVT
To determine the freezir A) Inflight Aviation Weat B) Weather Depiction Cl	her Advisories.	robable icing aloft,the pilot should refer to the
C) Area Forecast.		
548.	157	PVT
(Refer to figure 16.) What portions after 2300Z?	at sky conditon and vis	ibility are forecast for upper Michigan in the eastern
A) Ceiling 1,000 feet over	ercast and 3 to 5 statut	e miles visibility.
B) Ceiling 1,000 feet over	ercast and 3 to 5 naution	cal miles visibility.
C) Ceiling 100 feet over	cast and 3 to 5 statute	miles visibility.
549.	157	PVT
The section of the Area	Forecast entitled 'VFR	CLDS/ WX' contains a general description of
A) cloudiness and weath geographical areas.	ner significant to flight o	operations broken down by states or other
	oud tops, visibility, and	l obstructions to vision along specific routes.
•		eater than 3,000 square miles and is significant to
550.	157	PVT
(Refer to figure 16.) Wha	at is the outlook for the	southern half of Indiana after 0700Z?
A) Scattered clouds at 3	,000 feet AGL.	
B) Scattered clouds at 1	0,000 feet.	
C) VFR.		
551.	157	PVT
-		be obtained regarding expected weather at the no Terminal Forecast?

A) Low-Level Prognostic Chart.		
3) Weather Depiction Chart.		
C) Area Forecast.		
	157	D) (T
552.	157	PVT
_	ast weather conditions ov	er several states, the pilot should refer to
A) Aviation Area Forecasts.		
Weather Depiction Charts. Setallite Mana		
C) Satellite Maps.		
553.	157	PVT
(Refer to figure 16.) The Chicago	FA forecast section is va	alid until the twenty-fifth at
A) 0800Z.		
B) 1400Z.		
C) 1945Z.		
554.	J25	PVT
		oute Flight Advisory Service (EFAS)
A) Actual weather information an	d thunderstorm activity a	long the route.
3) Preferential routing and radar	•	•
•		nd receipt of routine position reports.
555.	157	PVT
		ding winds aloft and route forecasts for a
cross-country flight, a pilot should	_	uning winds alon and route forecasts for a
A) Transcribed Weather Broadca		a VOR facility.
3) VHF radio receiver tuned to a	n Automatic Terminal Info	ormation Service (ATIS) frequency.
C) regularly scheduled weather b	proadcast on a VOR frequ	uency.
556. H95	57	PVT
(Refer to figure 16.) What sky co Michigan in the western portions	• •	ons to vision are forecast for upper
A) Ceiling becoming 1,000 feet o	vercast with visibility 3 to	5 statute miles in mist.
B) Ceiling becoming 1,000 feet o	vercast with visibility 3 to	5 nautical miles in mist.
C) Ceiling becoming 100 feet over	ercast with visibility 3 to 5	statue miles in mist.
557.	160	PVT
(Refer to figure 19, area E.) The	top of the precipitation of	the cell is

A) 16,000 feet AGL.			
B) 16,000 feet MSL.			
C) 25,000 feet MSL.			
558.	164	PVT	
(Refer to figure 20.) H	How are Significant Weathe	Prognostic Charts best used by a pilot?	
A) For overall planning	ng at all altitudes.		
B) For determining ar	eas to avoid (freezing level	s and turbulence).	
C) For analyzing curr	ent frontal activity and cloud	d coverage.	
559.	164	PVT	
(Refer to figure 20.) A Significant Weather FA) 4,000 feet. B) 8,000 feet. C) 12,000 feet.		ng level over the middle of Florida on the	12-hour
560.	164	PVT	
(Refer to figure 20.) Viduring the first 12 hou		the Florida area just ahead of the station	ary fron
A) Ceiling 1,000 to 3,	000 feet and/or visibility 3 to	5 miles with continuous precipitation.	
B) Ceiling 1,000 to 3,	000 feet and/or visibility 3 to	5 miles with intermittent percipitation.	
C) Ceiling less than 1	,000 feet and/or visibility le	ss than 3 miles with continuous precipitat	ion.
561.	129	PVT	
Why is frost consider	ed hazardous to flight?		
A) Frost changes the	basic aerodynamic shape	of the airfoils, thereby decreasing lift.	
B) Frost slows the air	flow over the airfoils, thereb	by increasing control effectiveness.	
C) Frost spoils the sn	nooth flow of air over the wi	ngs, thereby decreasing lifting capability.	
562.	135	PVT	
The development of t	hermals depends upon		
A) a counterclockwise	e circulation of air.		
B) temperature invers	sions.		
C) solar heating.			
563.	H1032	PVT	
What effect would gu airspeed?	sts and turbulence have on	the load factor of a glider with changes in	n

A) Load factor decrease	es as airspeed increases.	
B) Load factor increases	s as airspeed increases.	
C) Load factor increase	s as airspeed decreases.	
564. What force provides the A) Lift. B) Centripetal force. C) Gravity.	H1017 e forward motion necessary to mov	PVT re a glider through the air?
565.	H1031 at approximate lift/drag ratio will th	PVT ne glider attain at 68 MPH in still air?
ground and the sailplan A) Crab into the wind by B) Crab into the wind so	H1041 should the sailplane pilot take during is airborne and drifting to the left y holding upwind (right) rudder presonant to maintain a position directly glow drift correction to remain in the	ssure. behind the towplane.
567.	H1040 iich illustration means the towplane	PVT
568. (Refer to figure 56.) Illus A) stop operations. B) release towline. C) take up slack.	H1040 stration 3 means	PVT
569. (Refer to figure 56.) Illus A) release towline.	H1040 stration 2 means	PVT

B) ready to tow.C) hold position.		
570. (Refer to figure 56.) Which A) 2. B) 3. C) 7.	H1040 illustration is a signal to stop operatio	PVT n?
571. (Refer to figure 56.) Which A) 5. B) 6. C) 11.	H1040 illustration is a signal from the sailplan	PVT ne for the towplane to turn right?
572.(Refer to figure 56.) WhichA) 8.B) 10.C) 11.	H1040 illustration is a signal that the glider is	PVT s unable to release?
A) release back pressure a with the undulations.B) signal the ground crew to the process of th	N31 PV orpoising) during a winch launch, the paind then pull back against the cycle of to increase the speed of the tow. on the control stick and shallow the a	oilot should pitching oscillation to get in phase
_		r than the nose hook?
575. (Refer to figure 56.) Which A) 7. B) 10.	H1040 illustration is a signal to the towplane	PVT to reduce airspeed?

C) 12.		
576.	H1022	PVT
(Refer to figure 11.) Wh A) 3 and 6. B) 2 and 6. C) 2 and 4.	nich yaw string and incli	nometer illustrations indicate a slipping right turn?
577.	N27	PVT
A sailplane has a best (2,000 feet? A) 10 nautical miles. B) 15 nautical miles. C) 21 nautical miles.	glide ratio of 30:1. How	many nautical miles will the glider travel while losing
578.	N27	PVT
A sailplane has lost 2,0 approximately A) 24:1. B) 27:1. C) 30:1.	00 feet in 9 nautical mil	les. The best glide ratio for this sailplane is
579.	N27	PVT
How many feet will a gl A) 2,400 feet. B) 2,600 feet. C) 4,300 feet.	ider sink in 10 nautical	miles if its lift/drag ratio is 23:1?
580.	N34	PVT
What is the proper airs headwind?	peed to use when flying	between thermals on a cross-country flight against a
B) The minimum sink s	peed increased by one-	half the estimated wind velocityhalf the estimated wind velocity. half the estimated wind velocity.
581.	N21	PVT
		the airspeed to use is the
A) minimum control spe	-	
B) best lift/drag speed.		

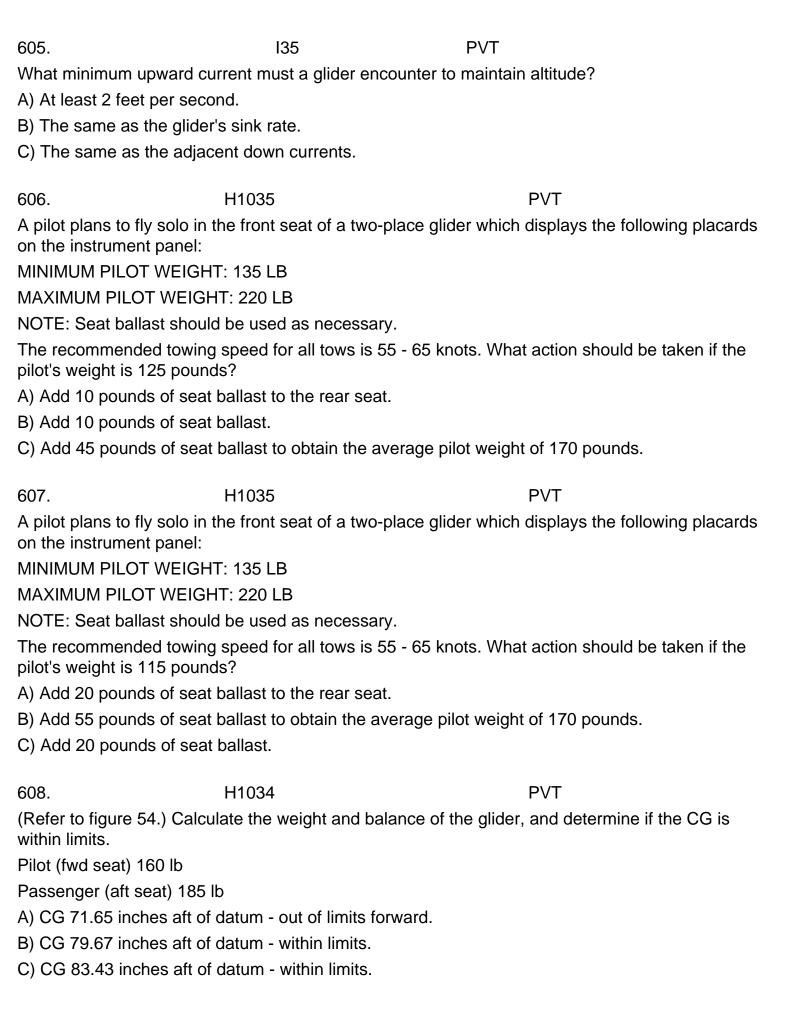
C) minimum sink spec	ed.		
582.	N27	PVT	
A sailplane has a bes A) 1,840 feet. B) 2,100 feet. C) 2,750 feet.	t glide ratio of 23:1. How m	nany feet will the glider lose in 8 nautical miles?	?
583.	N27	PVT	
How many feet will a A) 2,700 feet. B) 3,600 feet. C) 4,100 feet.	sailplane sink in 15 nautica	al miles if its lift/drag ratio is 22:1?	
584.	N21	PVT	
(Refer to figure 55.) HA) 144 feet. B) 171 feet. C) 211 feet.	low many feet will the glide	er sink in 1 statute mile at 53 MPH in still air?	
585.	N21	PVT	
(Refer to figure 55.) A A) 75 MPH. B) 79 MPH. C) 84 MPH.	t what speed will the glide	attain a sink rate of 5 feet per second in still a	uir?
586.	N21	PVT	
(Refer to figure 55.) A feet in still air? A) 44 MPH. B) 53 MPH. C) 83 MPH.	t what speed will the glider	gain the most distance while descending 1,00)0
587.	N21	PVT	
(Refer to figure 55.) Hin still air?	low many feet will the glide	er descend at minimum sink speed for 1 statute	e mile
A) 132 feet.			
B) 170 feet.			

		PVT Barnes County Airport (area 6) with sufficient how long will it take for the flight at an average of 40
589.	H1116	PVT
		d over Caddo Mills Airport with sufficient altitude to lills. How long will it take for the flight at an average of
590.	A20	PVT
Prior to becoming certified possession what type of mA) A third-class medical certificate is C) A medical certificate is	nedical? ertificate. signated medical exa	th a glider rating, the pilot must have in his or her miner.
591.	A21	PVT
		g a glider, a pilot is required to have made within the
A) at least three flights as	observer in a glider	being towed by an aircraft.
B) at least three flights in a	a powered glider.	
C) at least three actual or	simulated glider tow	s while accompanied by a qualified pilot.
592.	l55	PVT
(Refer to figure 13.) What conditions?	effect do the clouds	mentioned in the weather briefing have on soaring
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.		

C) 180 feet.

593.	H1104	PVT	
(Refer to figure 21.) Over conditions?	which area should a	glider pilot expect to find the best lift under norma	al
A) 5.			
B) 6.			
C) 7.			
594.	l35	PVT	
Where and under what costable?	ondition can enough l	ift be found for soaring when the weather is gene	rally
A) On the upwind side of	hills or ridges with m	oderate winds present.	
B) In mountain waves that	it form on the upwind	side of the mountains.	
C) Over isolated peaks w	hen strong winds are	present.	
595.	l35	PVT	
What is an important pred	caution when soaring	in a dust devil?	
A) Avoid the eye of the vo	ortex.		
B) Avoid the clear area at	t the outside edge of	the dust.	
C) Maintain the same dire	ection as the rotation	of the vortex.	
596.	l35	PVT	
Where may the most favor	orable type thermals f	for cross-country soaring be found?	
A) Just ahead of a warm	front.		
B) Along thermal streets.			
C) Under mountain wave	S.		
597.	l35	PVT	
How can a pilot locate bu	bble thermals?		
A) Look for wet areas who	ere recent showers h	ave occurred.	
B) Look for birds that are	soaring in areas of ir	itermittent heating.	
C) Fly the area just above	e the boundary of a te	emperature inversion.	
598.	l35	PVT	
What is the best visual in	dication of a thermal?	?	
A) Fragmented cumulus of	clouds with concave I	pases.	
B) Smooth cumulus cloud	ds with concave base	S.	
C) Scattered to broken sk	ky with cumulus cloud	ls.	

599.	135	PVT
What is a recommended proced	ure for entering a dust de	vil for soaring?
A) Enter above 500 feet and circ	ele the edge in the same d	lirection as the rotation.
B) Enter below 500 feet and circ	•	
C) Enter at or above 500 feet an	d circle the edge opposite	e the direction of rotation.
·		
600.	l35	PVT
What is one recommended meth	nod for locating thermals?	
A) Fly an ever increasing circula	r path.	
B) Maintain a straight track dowr	nwind.	
C) Look for converging streamer	s of dust or smoke.	
601.	135	PVT
On which side of a rocky knoll, thermals?	nat is surrounded by vege	etation, should a pilot find the best
A) On the side facing the Sun.		
B) On the downwind side.		
C) Exactly over the center.		
602.	135	PVT
Which is considered to be the m thunderstorms?	ost hazardous condition v	vhen soaring in the vicinity of
A) Static electricity.		
B) Lightning.		
C) Wind shear and turbulence.		
603.	135	PVT
Convective circulation patterns a	associated with sea breez	es are caused by
A) warm, dense air moving inlan	d from over the water.	
B) water absorbing and radiating	heat faster than the land	
C) cool, dense air moving inland	from over the water.	
604.	135	PVT
During which period is a sea bre	eze front most suitable fo	r soaring flight?
A) Shortly after sunrise.		
B) During the early forenoon.		
C) During the afternoon		



609.	H720	PVT
Which is a result	of the phenomenon of ground	effect?
A) The induced a	ngle of attack of each rotor bla	ade is increased.
B) The lift vector	becomes more horizontal.	
C) The angle of a	ttack generating lift is increase	ed.
610.	H720	PVT
(Refer to figure 47	7.) What is the best rate-of-clin	nb speed for the helicopter?
A) 24 MPH.		
B) 40 MPH.		
C) 57 MPH.		
611.	H747	PVT
The principal reas	son the shaded area of a Heig	ht vs. Velocity Chart should be avoided is
A) turbulence nea	ar the surface can dephase the	e blade dampers.
B) rotor RPM may	y decay before ground contac	t is made if an engine failure should occur.
C) insufficient airs	speed would be available to e	nsure a safe landing in case of an engine failure.
612.	B09	PVT
Under what condi within Class D air		ot operate a helicopter under special VFR at night
A) The helicopter	must be fully instrument equi	pped and the pilot must be instrument rated.
B) The flight visib	ility must be at least 1 mile.	
C) There are no o	conditions; regulations permit	this.
613.	P01	PVT
Under which cond	dition will an airship float in the	air?
A) When buoyant drag.	t force equals horizontal equili	brium existing between propeller thrust and airship
B) When buoyant volume being disp		ce between airship weight and the weight of the air
C) When buoyant volume being disp	•	etween airship weight and the weight of the air
614.	P11	PVT
Which takeoff pro	ocedure is considered to be mo	ost hazardous for an airship?
A) Maintaining on	nly 50 percent of the maximum	permissible positive angle of inclination.
B) Failing to apply	y full engine power properly o	n all takeoffs, regardless of wind.

C) Maintaining a negative controllability.	e angle of inclination d	uring takeoff after elevator response is adequate fo
615.	P04	PVT
The pressure height of a	•	
A) the airship would be u	•	
B) gas pressure would re		
C) the ballonet(s) would l	be empty.	
616.	P11	PVT
lf an airship should expe restarted, what initial imn		ngines during flight and neither engine can be e pilot take?
A) The airship must be d	riven down to a landin	g before control and envelope shape are lost.
B) The emergency auxiliaso that ballonet inflation of		e started for electrical power to the airscoop blowers
C) Immediate preparation	ns to operate the airsh	ip as a free balloon are necessary.
617.	P01	PVT
o r r . An airship descending th		
An airship descending th A) show no change in su		
B) show a decrease in su	•	
c) become progressively	ingriter, trius becoming	g increasingly more difficult to drive down.
618.	P04	PVT
Below pressure height, e	ach 5 °F of positive su	perheat amounts to approximately
A) 1 percent of gross lift.		
B) 2 percent of net lift.		
C) 2 percent of total lift.		
619.	P01	PVT
What is airship superhea		
A) A condition of excessi		e of the envelope
B) The temperature of the	•	
·		ture and the temperature inside the envelope.
o) The difference between	in outside all tempera	tare and the temperature molde the envelope.
620.	P11	PVT
Which action is necessar	y in order to perform a	a normal descent in an airship?
A) Valve gas.		
B) Valve air.		

C) Take air into the aft t	oallonets.	
621.	P01	PVT
During flight in an airshi	p, when is vertical equ	uilibrium established?
A) When buoyancy is g	•	
B) When buoyancy equ	-	
C) When buoyancy is le	. •	t.
622.	P04	PVT
	_	is the definition of aerostatics?
•	•	um of a body freely suspended in the atmosphere.
		e expansion and contraction of hydrogen gas.
C) The expansion and of		
o) The expansion and t		g gas nonam.
623.	P04	PVT
How does the pilot know	w when pressure heigh	nt has been reached?
A) Liquid in the gas mai levels.	nometer will rise and t	he liquid in the air manometer will fall below normal
B) Liquid in the gas and	l air manometers will f	all below the normal level.
C) Liquid in the gas malevels.	nometer will fall and th	ne liquid in the air manometer will rise above normal
624.	P04	PVT
When the airship is at p maintained by valving	ressure height and su	perheat increases, constant pressure must be
A) gas from the envelop	oe.	
B) air from the envelope	Э.	
C) gas from the ballone	ts.	
625.	P11	PVT
Air damper valves shou system would	ld normally be kept clo	osed during climbs because any air forced into the
A) increase the amount excessively high rate.	of gas that must be ea	xhausted to prevent the airship from ascending at an
B) increase the amount	of air to be exhausted	d, resulting in a lower rate of ascent.
C) decrease the purity of	of the gas within the er	nvelope.
626.	P11	PVT

To land an airship that made if the airship is		when the wind is calm, the best landing can usually be
A) in trim.		
B) nose heavy appro	ximately 20°.	
C) tail heavy approxi	mately 20°.	
627.	H983	PVT
the intersection of the	• •	e Quitman VOR-DME area 2) at 0940 and then over 4 at 0948. Approximately what time should the flight
A) 1109.		
B) 1117.		
C) 1138.		
628.	H983	PVT
(area 2). The wind is		e from Majors Airport (area 1) to Winnsboro Airport and the true airspeed is 36 knots.
A) 55 minutes.		
B) 59 minutes.		
C) 63 minutes.		
629.	H983	PVT
•	-	Minot VORTAC (area 1) at 1056 and over the creek 8 t 1108. What should be the approximate position on
A) Over Lake Nettie	National Wildlife Refuge.	
B) Crossing the road	east of Underwood.	
C) Over the powerlin	es east of Washburn Airp	port.
630.	H987	PVT
(Refer to figure 25.) I	Determine the magnetic l	neading for a flight from Majors Airport (area 1) to 340° at 12 knots, the true airspeed is 36 knots, and
A) 078°.		
B) 091°.		
C) 101°.		
631.	M52	PVT
-	rs containing subject mat	ter specifically related to Air Traffic Control and

A) 60. B) 70. C) 90.		
632. The maximum altitude return safely to the sur A) the disposable load B) ballonet capacity. C) pressure altitude.	face is determined by	PVT each (under a given atmospheric condition) and ther
633. An unbalanced condition A) valving air from the B) valving gas from the C) a negative or a position	e envelope.	PVT nust be overcome by
A) Unusable fuel and u	owerplant, and optional	
635.High airspeeds, particularA) an abrupt pitchup.B) retreating blade staleC) a low-frequency vib	II.	PVT buld be avoided primarily because of the possibility o
636. The upward bending of force is known as A) coning. B) blade slapping. C) inertia.	H703 f the rotor blades resultir	PVT ng from the combined forces of lift and centrifugal
	• •	PVT of pressure is applied which results in a maximum ition A, the rotor disc will tilt

A) forward. B) aft. C) left.				
	H776 nine the total takeoff distance require is 95 °F and the pressure altitude is		ne to clea	ır a 50-foot
- · · · · · · · · · · · · · · · · · · ·	H776 nine the total landing distance to cle e (OAT) is 75°F and the pressure al			
640. For internal cooling, recipro A) a properly functioning th B) air flowing over the exha C) the circulation of lubrica	aust manifold.	PVT y dependent on		
A) The cyclic stick should back abould back abrupt control mo	H780 taken while taxiing a gyroplane? be held in the neutral position at all to the taxion at all to the held slightly aft of neutral at all times.			
A) open the throttle full and	d stop the rotor as soon as possible		or flight,	
643.	1) M/hat is the condition of the weigh		H719	PVT

(Refer to figures 45 and 46.) What is the condition of the weight and balance of the gyroplane as loaded?

			WEIGHT	MOMENT
			(LB)	(1000)
Empty weight			1,074	85.6
Oil, 6 qt				1.0
Pilot and passenger			247	
Fuel, 12 gal				
Baggage			95	
A) Within limits.				
B) Overweight.				
C) Out of limits aft.				
644.	H703	PVT		
When a blade flaps up, the	CG moves closer to its axis of rotat	ion giving that	blade a te	ndency to
A) decelerate.				
B) accelerate.				
C) stabilize its rotational vel	ocity.			
645.	H705	PVT		
The primary purpose of the	tail rotor system is to			
A) assist in making a coordi	nated turn.			
B) maintain heading during	forward flight.			
C) counteract the torque eff	ect of the main rotor.			
646.	H703	PVT		
The purpose of the lead-lag is to compensate for	(drag) hinge in a three-bladed, fully	y articulated he	elicopter ro	tor system
A) Coriolis effect.				
B) coning.				
C) geometric unbalance.				
647.	H748	PVT		
When operating at high forw which condition?	vard airspeeds, retreating blade sta	lls are more lik	ely to occı	ur under
A) Low gross weight and lov	w density altitude.			
B) High RPM and low densi	ty altitude.			
C) Steep turns in turbulent a	air.			
648.	H703	PVT		

Translational lift is the result	of	
A) decreased rotor efficiency	/.	
B) airspeed.		
C) both airspeed and ground	dspeed.	
649.	H703	PVT
During a hover, a helicopter have the	tends to drift to the right. To compe	ensate for this, some helicopters
A) tail rotor tilted to the left.		
B) tail rotor tilted to the right.		
C) rotor mast rigged to the le	eft side.	
650.	H748	PVT
The maximum forward spee	d of a helicopter is limited by	
A) retreating blade stall.		
B) the rotor RPM red line.		
C) solidity ratio.		
651.	H720	PVT
With calm wind conditions, w	which flight operation would require	the most power?
A) A right-hovering turn.		
B) A left-hovering turn.		
C) Hovering out of ground ef	ffect.	
652.	H705	PVT
If RPM is low and manifold p	oressure is high, what initial correcti	ve action should be taken?
A) Increase the throttle.		
B) Lower the collective pitch		
C) Raise the collective pitch.		
653.	H928	PVT
Which would most likely cau exceed their normal operatir		nd engine oil temperature gauges to
A) Using fuel that has a lowe	er-than-specified fuel rating.	
B) Using fuel that has a high	er-than-specified fuel rating.	
C) Operating with higher-tha	n-normal oil pressure.	
654.	H927	PVT

A) The next higher o B) The next lower oc	ctane aviation gas.	aft if the recommended octane is not available? ane rating.
655. During surface taxiin A) drift during a cross B) rate of speed. C) ground track.	H727 g, the collective pitch is a swind.	PVT used to control
656. During surface taxiin A) forward movemer B) heading. C) ground track.	H727 g, the cyclic pitch stick is nt.	PVT sused to control
657. Select the UNICOM heliports. A) 122.75 and 123.6 B) 123.0 and 122.95 C) 123.05 and 123.0	5 MHz. MHz.	PVT signed to stations at landing areas used exclusively as
A) Normally, the airs B) Normally, only the	H746 In to be observed during peed is controlled with the cyclic control is used to tate of descent to get too	make turns.
A) When the downslo B) Minimum RPM sh	all be held until the full w	PVT d, hold the collective pitch at the same position. reight of the helicopter is on the skid. he upslope skid to the ground prior to lowering the
660.	H747	PVT

(Refer to figure 47.) Which operations?	airspeed/altitude combination shou	ld be avoided during helicopter
A) 30 MPH/200 feet AGL.		
B) 50 MPH/300 feet AGL.		
C) 60 MPH/20 feet AGL.		
661.	H747	PVT
(Refer to figure 47.) The air	speed range to avoid while flying ir	n ground effect is
A) 25 - 40 MPH.		
B) 25 - 57 MPH.		
C) 40 MPH and above.		
662.	H739	PVT
The proper action to initiate	a quick stop is to apply	
A) forward cyclic and lower	the collective pitch.	
B) aft cyclic and raise the co	ollective pitch.	
C) aft cyclic and lower the c	collective pitch.	
663.	H747	PVT
(Refer to figure 47.) Which operations?	airspeed/altitude combination shou	ld be avoided during helicopter
A) 20 MPH/200 feet AGL.		
B) 35 MPH/175 feet AGL.		
C) 40 MPH/75 feet AGL.		
664.	H738	PVT
Which flight technique is re-	commended for use during hot wea	ather?
A) Use minimum allowable flight.	RPM and maximum allowable mar	nifold pressure during all phases of
B) During hovering flight, m engine RPM during right pe	aintain minimum engine RPM duriredal turns.	ng left pedal turns, and maximum
C) During takeoff, accelerate	e slowly into forward flight.	
665.	H743	PVT
Which action would be appr	ropriate for confined area operatior	ns?
A) Takeoffs and landings m	ust be made into the wind.	
B) Plan the flightpath over a	areas suitable for a forced landing.	
C) A very steep angle of de	scent should be used to land on th	e selected spot.

666.	H742	PVT
Takeoff from a slop	pe is normally accomplished	by
A) moving the cycl	ic in a direction away from t	ne slope.
B) bringing the heli	icopter to a level attitude be	fore completely leaving the ground.
C) moving the cycl	ic stick to a full up position a	as the helicopter nears a level attitude.
667.	H738	PVT
Under what conditi	on should a helicopter pilot	consider using a running takeoff?
A) When gross we	ight or density altitude preve	ents a sustained hover at normal hovering altitude.
B) When a normal	climb speed is assured bety	veen 10 and 20 feet.
C) When the additi	onal airspeed can be quickl	y converted to altitude.
668.	H987	PVT
Airport (area 3) to is 100 knots, and the	,	eading for a flight from Mercer County Regional The wind is from 330° at 25 knots, the true airspeed east.
A) 002°.		
B) 012°.		
C) 352°.		
669.	B09	PVT
` •	ooperstown, after departing	ility and cloud clearance requirements to operate and climbing out of the Cooperstown Airport at or
A) 1 mile and clear	of clouds.	
B) 1 mile and 1,000	0 feet above, 500 feet belov	v, and 2,000 feet horizontally from clouds.
C) 3 miles and clea	ar of clouds.	
670.	A29	PVT
VFR above 1,200 f		t visibility requirement for a recreational pilot flying feet MSL during daylight hours is
A) 1 mile.		
B) 3 miles.		
C) 5 miles.		
671.	A29	PVT
-		oilot in command in an aircraft towing a banner?
A) If the pilot has lo	ogged 100 hours of flight tim	ie in powered aircraft.
B) If the pilot has a	in endorsement in his/her pi	lot logbook from an authorized flight instructor.

C) It is not allowed.			
672.	A29	PVT	
A) One hour before sun B) At sunrise.	rise.	est time a recreational pilot may take off?	
C) At the beginning of m	norning civil twilight.		
673.	A29	PVT	
When may a recreational A) Anytime the control to		m an airport that lies within Class C airspace?	
, •	•	ne surface visibility is at least 2 miles.	
•		sement from an authorized instructor.	
674.	A29	PVT	
Under what conditions r airspace and that has a	•	operate at an airport that lies within Class D in operation?	
A) Between sunrise and the visibility is at least 3		r is in operation, the ceiling is at least 2,500 feet, and	t
B) Any time when the to more than 1 mile.	ower is in operation, the	ceiling is at least 3,000 feet, and the visibility is	
C) Between sunrise and visibility is at least 3 mile		r is closed, the ceiling is at least 1,000 feet, and the	
675.	A29	PVT	
When may a recreation	al pilot fly above 10,000	feet MSL?	
A) When 2,000 feet AGI	L or below.		
B) When 2,500 feet AGI	L or below.		
C) When outside of con	trolled airspace.		
676.	A29	PVT	
During daytime, what is Class G airspace below		urface visibility required for recreational pilots in	
A) 1 mile.			
B) 3 miles.			
C) 5 miles.			
677.	A29	PVT	

What exception, if any, permits a passenger for hire?	a recreational pilot to act as	pilot in command of an aircraft carrying
A) If the passenger pays no mo		
B) If a donation is made to a chC) There is no exception.	aritable organization for the f	light.
C) There is no exception.		
678.	A29	PVT
Under what conditions, if any, r prospective buyer?	nay a recreational pilot demo	nstrate an aircraft in flight to a
A) The buyer pays all the opera	•	
B) The flight is not outside the IC) None.	United States.	
679.	A29	PVT
A recreational pilot may act as of	pilot in command of an aircra	ft with a maximum engine horsepower
A) 160.		
B) 180. C) 200.		
0) 200.		
680.	A29	PVT
When may a recreational pilot a	•	•
A) When obtaining an additional instructor, provided the surface	or flight visibility is at least 1	statute mile.
B) When obtaining an additional instructor, provided the surface	•	•
C) When obtaining an additional instructor, provided the surface	_	•
681.	A29	PVT
During daytime, what is the mir airspace below 10,000 feet MS	<u> </u>	for recreational pilots in controlled
A) 1 mile.		
B) 3 miles. C) 5 miles.		
682.	A29	PVT
A recreational pilot acting as pil aboard the aircraft	lot in command must have in	his or her personal possession while

A) a current logbook endors	sement to show that a	light review has been satisfactorily accomplished.
B) a current logbook endorairport.	sement that permits flig	ht within 50 nautical miles from the departure
C) the pilot logbook to show been met.	w recent experience rec	quirements to serve as pilot in command have
683.	A29	PVT
A) Yes, if the flight is only in	ncidental to that busine	f an aircraft in furtherance of a business? ss. son or property for compensation or hire.
684.	A20	PVT
If a recreational or private preview required? A) August 8, 2 years later. B) August 31, next year. C) August 31, 2 years later		on August 8, this year, when is the next flight
o, ragast or, 2 years later		
685.Each recreational or privateA) a biennial flight review.B) an annual flight review.C) a semiannual flight review.		PVT ⁄e
686.	A29	PVT
How many passengers is a A) One. B) Two. C) Three.	a recreational pilot allow	ed to carry on board?
687.	A29	PVT
According to regulations per A) be paid for the operating	g expenses of a flight. o rata share of the oper	ating expenses of a flight with a passenger. benses of a flight.
688.	A29	PVT

When may a recreational pilot act as pilot in command on a cross-country flight that exceeds 50 nautical miles from the departure airport? A) After attaining 100 hours of pilot-in-command time and a logbook endorsement. B) After receiving ground and flight instructions on cross-country training and a logbook endorsement.							
					C) 12 calendar mone endorsement.	ths after receiving his or he	er recreational pilot certificate and a logbook
					689.	A29	PVT
A recreational pilot r how many occupant A) Four. B) Three.	•	d of an aircraft that is certificated for a maximum of					
C) Two.							
690.	B09	PVT					
	ility and clearance from clo et AGL or below during day	ouds are required for a recreational pilot in Class G ylight hours?					
A) 1 mile visibility ar	nd clear of clouds.						
B) 3 miles visibility a	and clear of clouds.						
C) 3 miles visibility,	500 feet below the clouds.						
691.	H745	PVT					
	ng flight in a helicopter, a pi These vibrations are norma	ilot experiences low-frequency vibrations (100 to 400 ally associated with the					
692.	H745	PVT					
		ve, would cause medium-frequency vibrations.					
693.	H744	PVT					
Which is a correct g	eneral rule for pinnacle and	d ridgeline operations?					
	on takeoff is more importan th to a ridgeline is usually p						

C) A climb to a pinnacle or ridgeline should be performed on the upwind side.				
694.	H743	PVT		
If possible, when departing a confined area, what type of takeoff is preferred?				
A) A normal takeoff from a hover.				
B) A vertical takeoff.				
C) A normal takeoff from the	e surface.			