07/07/2008

Bank: (Instrument Rating)

Airman Knowledge Test Question Bank

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

1. PLT128 IRA

Test data indicate that ice, snow, or frost having a thickness and roughness similar to medium or coarse sandpaper on the leading edge and upper surface of an airfoil can

- A) reduce lift by as much as 50 percent and increase drag by as much as 50 percent.
- B) increase drag and reduce lift by as much as 25 percent.
- C) reduce lift by as much as 30 percent and increase drag by 40 percent.

2. PLT242 IRA

What is the relationship between centrifugal force and the horizontal lift component in a coordinated turn?

- A) Horizontal lift exceeds centrifugal force.
- B) Horizontal lift and centrifugal force are equal.
- C) Centrifugal force exceeds horizontal lift.

3. PLT237 IRA

The rate of turn at any airspeed is dependent upon

- A) the horizontal lift component.
- B) the vertical lift component.
- C) centrifugal force.

4. PLT311 IRA

During a constant bank level turn, what effect would an increase in airspeed have on the rate and radius of turn?

- A) Rate of turn would increase, and radius of turn would increase.
- B) Rate of turn would decrease, and radius of turn would decrease.
- C) Rate of turn would decrease, and radius of turn would increase.

5. PLT311 IRA

Rate of turn can be increased and radius of turn decreased by

A) decre	asing airspeed and shallowin	g the bank.
B) decre	asing airspeed and increasing	g the bank.
C) increa	asing airspeed and increasing	the bank.
6.	PLT235	IRA
•	nary reason the pitch attitude ted turn, is because the	must be increased, to maintain a constant altitude during a
A) thrust	is acting in a different direction	on, causing a reduction in airspeed and loss of lift.
B) vertic	al component of lift has decre	eased as the result of the bank.
C) use o	f pedals has increased the dr	ag.
7.	PLT168	IRA
•	nary reason the angle of attac ted turn, is because the	k must be increased, to maintain a constant altitude during a
A) thrust	is acting in a different direction	on, causing a reduction in airspeed and loss of lift.
B) vertic	al component of lift has decre	ased as the result of the bank.
C) use o	f ailerons has increased the c	Irag.
8.	PLT292	IRA
Precision	n Runway Monitoring (PRM) i	S:
A) an air	borne RADAR system for mo	nitoring approaches to two runways.
B) a RAI	DAR system for monitoring ap	proaches to closely spaced parallel runways.
C) a high runway.	n update rate RADAR system	for monitoring multiple aircraft ILS approaches to a single
9.	PLT036	IRA
What inf	ormation does a Mach meter	present?
A) The r	atio of aircraft true airspeed to	the speed of sound.
B) The r	atio of aircraft indicated airspe	ed to the speed of sound.
C) The r	atio of aircraft equivalent airsp	peed, corrected for installation error, to the speed of sound.
10.	PLT337	IRA
	_	essary to use an alternate source of static pressure vented ying variations in instrument indications should the pilot
-	lltimeter will read lower than r arily show a descent.	normal, airspeed lower than normal, and the VSI will
•	Iltimeter will read higher than arily show a climb.	normal, airspeed greater than normal, and the VSI will

•	will read lower than normal ow a climb and then a desce	I, airspeed greater than normal, and the VSI will ent.
11.	PLT140	IRA
A) The pilot is re B) The pilot mus	equired to accept the control of accept the clearance if the the option to accept or reje	I and Hold Short Operation (LAHSO) clearance?" Iler`s clearance in visual meteorological conditions. e pavement is dry and the stopping distance is adequate ct all LAHSO clearances regardless of the
12.	PLT145	IRA
Which type of ru the runway thres A) RAIL. B) HIRL. C) REIL.		pair of synchronized flashing lights, one on each side of
13.	PLT141	IRA
	137.) What is the distance (the fixed distance marker?	C) from the beginning of the touchdown zone marker to
14.	PLT141	IRA
A) direction to th B) designation a	nto a taxiway from another to ne take-off runway. and direction of exit taxiway and direction of taxiway lead	•
15.	PLT222	IRA
When should pil		ne airport when calling the tower for takeoff?
B) When paralle	I runways are in use. ing from a runway intersecti	ion.
16. What wind cond period of time?	PLT509 ition prolongs the hazards o	IRA of wake turbulence on a landing runway for the longest

A) Direct headwind.		
B) Direct tailwind.		
C) Light quartering t	ailwind.	
17.	PLT509	IRA
What effect would a	light crosswind of approximately 7 knots have or	n vortex behavior?
A) The light crosswi	nd would rapidly dissipate vortex strength.	
3) The upwind vorte	ex would tend to remain over the runway.	
C) The downwind vo	ortex would tend to remain over the runway.	
•	·	
18.	PLT280	IRA
A sloping cloud form stars can create an	nation, an obscured horizon, and a dark scene sp illusion known as	oread with ground lights and
A) elevator illusions.		
3) autokinesis.		
C) false horizons.		
19.	PLT330	IRA
Why is hypoxia part	icularly dangerous during flights with one pilot?	
A) Night vision may	be so impaired that the pilot cannot see other air	rcraft.
3) Symptoms of hyp	poxia may be difficult to recognize before the pilo	t's reactions are affected.
C) The pilot may no	t be able to control the aircraft even if using oxyg	en.
20.	PLT354	IRA
	YYY) Why is there a note stating a temperature lind 3-VNAV equipment?	mitation for executing this
A) The descent gradement and descent gradements.	dient exceeds the maximum standard of 400-foot	per Nautical Mile at low
-	ude and final approach segment height above ob are lower than charted.	ostacles or terrain is unsafe
C) The missed appremental contractions apprementation of the contraction of the contracti	oach climb gradient exceeds the airplane maxim	um standard of 40 to 1 at lov
21.	PLT170	IRA
Which substitution is	s permitted when an ILS component is inoperativ	re?

A) A compass locator or precision radar may be substituted for the ILS outer or middle marker.

these markers.

B) ADF or VOR bearings which cross either the outer or middle marker sites may be substituted for

C) DME, when lo marker.	ocated at the localizer ant	enna site, should be substituted for the outer or middle
22.	PLT170	IRA
penetration of th		inway equipped with MALSR, that there may be a surfaces (OIS), and care should be taken in the visual
A) The runway h	as a visual approach slop	pe indicator (VASI.)
B) The published	d visibility for the ILS is no	lower than 3/4 SM.
C) The approach	n chart has a visual desce	ent point (VDP) published.
23.	PLT420	IRA
How is ATC rada control service?	ar used for instrument app	proaches when the facility is approved for approach
•	proaches, weather surveill aid used for approaches.	ance, and as a substitute for any inoperative component
B) ASR approac	hes, weather surveillance	e, and course guidance by approach control.
C) Course guida nonradar approa		course, ASR and PAR approaches, and the monitoring of
24.	PLT170	IRA
During a 'no gyro should make all		eing handed off to the final approach controller, the pilot
A) one half stand	dard rate unless otherwise	e advised.
B) any rate not e	exceeding a 30° bank.	
C) standard rate	unless otherwise advised	.k
25.	PLT406	IRA
•		past the OM to a runway which has a VASI. What action slope malfunction occurs and the pilot has the VASI in
A) The pilot shou and make a loca		function and then descend immediately to the localizer DH
B) The pilot may slope.	continue the approach a	nd use the VASI glide slope in place of the electronic glide
C) The pilot mus discretion.	st request an LOC approa	ch, and may descend below the VASI at the pilot's
26.	PLT185	IRA
When airspeed i	s decreased in a turn, wh	at must be done to maintain level flight?

A) Decrease t	he angle of bank and/or increas	se the angle of attack.
B) Increase th	e angle of bank and/or decreas	e the angle of attack.
C) Increase th	e angle of attack.	
27.	PLT215	IRA
•	c heading indicator is inoperative straight-and-level flight?	ve. What is the primary bank instrument in
A) Magnetic c	ompass.	
B) Attitude ind	icator.	
C) Miniature a	ircraft of turn coordinator.	
28.	PLT278	IRA
What instrume a constant rate		bank instruments during a straight, stabilized climb at
A) Attitude ind	icator and turn coordinator.	
B) Heading in	dicator and attitude indicator.	
C) Heading in	dicator and turn coordinator.	
29.	PLT278	IRA
-	creased to enter a 500 feet per e primary for pitch, bank, and p	minute rate of climb in straight flight, which ower respectively?
•	-	nanifold pressure gauge or tachometer.
•	e indicator, and airspeed indica	
C) Airspeed in	idicator, attitude indicator, and r	manifold pressure gauge or tachometer.
30.	PLT125	IRA
	an airspeed higher than the dean the dean airspeed higher than the deacent, at appr	scent speed, the addition of power should be made, oximately
A) 50 to 100 fe	eet above the desired altitude.	
B) 100 to 150	feet above the desired altitude.	
C) 150 to 200	feet above the desired altitude.	
31.	PLT185	IRA
	what percent of the indicated when the level off from a climb to a s	vertical speed should be used to determine the number pecific altitude?
A) 10 percent.		
B) 20 percent.		
C) 25 percent.		

32.	PLT185	IRA
What is the correct	sequence in which to use the three skills used in	instrument flying?
A) Aircraft control,	cross-check, and instrument interpretation.	
B) Instrument interp	oretation, cross-check, and aircraft control.	
C) Cross-check, ins	strument interpretation, and aircraft control.	
33.	PLT186	IRA
What are the three	fundamental skills involved in attitude instrument	flying?
A) Instrument interp	oretation, trim application, and aircraft control.	
B) Cross-check, ins	strument interpretation, and aircraft control.	
C) Cross-check, en	nphasis, and aircraft control.	
34.	PLT297	IRA
•	an unusual flight attitude and the attitude indicato be relied on to determine pitch attitude before sta	·
A) Turn indicator ar	nd VSI.	
B) Airspeed, VSI ar	nd altimeter.	
C) VSI and airspee	d to detect approaching VSI or VMO.	
35.	PLT297	IRA
•	rom unusual attitudes, level flight is attained the in	
,	on the attitude indicator is exactly overlapped with	the miniature airplane.
,	mb is indicated on the VSI.	
C) the altimeter and	d airspeed needles stop prior to reversing their dir	ection of movement.
36.	PLT297	IRA
	5.) What is the correct sequence for recovery from	
-	increase back elevator pressure, and level the wir	
	level the wings, bring pitch attitude to level flight.	193.
	raise the nose of the aircraft to level flight attitude	a and obtain desired airspeed
C) Level the wings,	Talse the hose of the all chart to lever hight attitude	e, and obtain desired anspeed.
37.	PLT041	IRA
) Which altimeter depicts 12,000 feet?	
A) 2.	,	
B) 3.		
C) 4.		
- ,		
38.	PLT445	IRA

A) The horizon bar does not vibrate during warmup.			
B) The miniature airplane should erect and become stable within 5 minutes.			
,	r should erect and become stable		
39.	PLT132	IRA	
		ators will precess and incorrectly indicate a	
A) climb.		,	
B) descent.			
C) right turn.			
40.	PLT118	IRA	
Which condition d	uring taxi is an indication that an a	ttitude indicator is unreliable?	
A) The horizon ba	r tilts more than 5° while making ta	axi turns.	
B) The horizon ba	r vibrates during warmup.		
C) The horizon ba	r does not align itself with the mini	ature airplane after warmup.	
41.	PLT118	IRA	
Which practical tes	st should be made on the electric	gyro instruments prior to starting an engine?	
A) Check that the	electrical connections are secure	on the back of the instruments.	
B) Check that the	attitude of the miniature aircraft is	wings level before turning on electrical power.	
C) Turn on the ele	ctrical power and listen for any un	usual or irregular mechanical noise.	
42.	PLT215	IRA	
	e indication on the magnetic compeading in the Northern Hemispher	pass as you roll into a standard-rate turn to the e?	
A) The compass v	vill initially indicate a turn to the rig	ht.	
B) The compass wheading of the airc		then gradually catch up to the magnetic	
C) The compass v smooth.	vill indicate the approximate correc	ct magnetic heading if the roll into the turn is	
43.	PLT215	IRA	
	e indication on the magnetic compeading in the Northern Hemisphere	pass as you roll into a standard rate turn to the e?	
A) The compass w	vill indicate a turn to the left, but at	a faster rate than is actually occurring.	
B) The compass will initially indicate a turn to the right.			
C) The compass will remain on north for a short time, then gradually catch up to the magnetic heading of the aircraft.			

44.	PLT215	IRA		
	What should be the indication on the magnetic compass as you roll into a standard rate turn to the right from a westerly heading in the Northern Hemisphere?			
•	initially show a turn in the opposite direction, the ne actual heading of the aircraft.	en turn to a northerly indication		
B) The compass will actual heading of the	remain on a westerly heading for a short time, the aircraft.	nen gradually catch up to the		
C) The compass will smooth.	indicate the approximate correct magnetic head	ling if the roll into the turn is		
45.	PLT118	IRA		
What indication shou	uld be observed on a turn coordinator during a ri	ght turn while taxiing?		
A) The miniature airc	craft will show a turn to the left and the ball rema	ins centered.		
B) The miniature airc	craft will show a turn to the right and the ball mov	ves to the left.		
C) Both the miniature	e aircraft and the ball will remain centered.			
46.	PLT187	IRA		
What indications sho	ould you observe on the turn and slip indicator du	uring taxi?		
A) The ball moves fr	eely opposite the turn, and the needle deflects ir	the direction of the turn.		
B) The needle deflect	cts in the direction of the turn, but the ball remain	s centered.		
C) The ball deflects	opposite the turn, but the needle remains center	ed.		
47.	PLT086	IRA		
If a half standard-rate turn is maintained, how long would it take to turn 360°?				
A) 1 minute.				
B) 2 minutes.				
C) 4 minutes.				
48.	PLT391	IRA		
What action should you take if your No. 1 VOR receiver malfunctions while operating in controlled airspace under IFR? Your aircraft is equipped with two VOR receivers. The No. 1 receiver has VOR/Localizer/Glide Slope capability, and the No. 2 receiver has only VOR/Localizer capability.				
A) Report the malfunction immediately to ATC.				
B) Continue the flight as cleared; no report is required.				
C) Continue the app	roach and request a VOR or NDB approach.			
49.	PLT224	IRA		
Preferred IFR routes the fix by	s beginning with a fix, indicate that departing airc	raft will normally be routed to		

A) the established ai	irway(s) between the departure airport and the fi	X.
B) an instrument dep	parture procedure (DP), or radar vectors.	
C) direct route only.		
50.	PLT052	IRA
(Refer to figure 30.) (GNATS1.MOURN)	Which restriction to the use of the OED VORTAGE departure?	C would be applicable to the
A) R 333 beyond 30	NM below 6,500 feet.	
B) R 210 beyond 35	NM below 8,500 feet.	
C) R 251 within 15 N	IM below 6,100 feet.	
51.	PLT041	IRA
area. At what pressu	at FL 250, you hear ATC give an altimeter settinure altitude are you flying?	ng of 28.92 inches Hg in your
A) 24,000 feet.		
B) 25,000 feet.		
C) 26,000 feet.		
52.	PLT033	IRA
MEA is an altitude w	hich assures	
A) obstacle clearanceDME mileage.	e, accurate navigational signals from more than	one VORTAC, and accurate
B) a 1,000-foot obsta	acle clearance within 2 miles of an airway and a	ssures accurate DME mileage.
C) acceptable naviga	ational signal coverage and meets obstruction cl	learance requirements.
53.	PLT033	IRA
Acceptable navigationly	onal signal coverage at the MOCA is assured for	a distance from the VOR of
A) 12 NM.		
B) 22 NM.		
C) 25 NM.		
54.	PLT220	IRA
Unless otherwise sp	ecified on the chart, the minimum en route altitu	de along a jet route is
A) 18,000 feet MSL.		
B) 24,000 feet MSL.		
C) 10,000 feet MSL.		
55.	PLT033	IRA

acceptable navigation A) MEA.	ed altitude which meets obstacle clearance requinonal signal coverage is the	rements and assures
B) MRA.		
C) MOCA.		
56.	PLT004	IRA
To comply with ATC descent should be u	C instructions for altitude changes of more than 1 used?	,000 feet, what rate of climb or
	acticable to 500 feet above/below the assigned al igned altitude is reached.	titude, and then at 500 feet per
B) 1,000 feet per mi assigned altitude.	inute during climb and 500 feet per minute during	descents until reaching the
,	acticable to 1,000 feet above/below the assigned minute until reaching the assigned altitude.	altitude, and then between 500
57.	PLT100	IRA
•	At STRUT intersection headed eastbound, ATC t of LCH on V306, standard turns, what entry pro	•
A) Direct.		
B) Teardrop.		
C) Parallel.		
58.	PLT146	IRA
(Refer to figure 114	.) A pilot receives this ATC clearance:	
'CLEARED TO TH TURNS'	HE XYZ VORTAC. HOLD NORTH ON THE THR	EE SIX ZERO RADIAL, LEFT
What is the recomm A) Teardrop only.	nended procedure to enter the holding pattern?	
B) Parallel only.		
C) Direct only.		
59.	PLT146	IRA
(Refer to figure 114	.) A pilot receives this ATC clearance:	
CLEARED TO TH	HE ABC VORTAC. HOLD SOUTH ON THE ONE	EIGHT ZERO RADIAL'
What is the recomm	nended procedure to enter the holding pattern?	
A) Teardrop only.		
B) Parallel only.		
C) Direct only.		

A) Any altitude at I B) Any appropriate	PLT298 a pilot select upon receiving a VFR on Top clear east 1,000 feet above the meteorological conditions of the VFR altitude at or above the MEA in VFR weath the appropriate for the direction of flight at least 1, addition.	on. ner conditions.
61. (Refer to figures 70 routing at the BOZ A) L 2. B) L 7. C) L 9.	PLT100 6 and 77.) Which en route low altitude navigation EMAN VORTAC?	IRA chart would cover the proposed
` •	PLT012 1, 22, and 24.) What fuel would be consumed on Durango, Co. if the average fuel consumption is 1	•
Durango Co., La P How long can you Co., Walker Field A Total useable fuel	on board, 68 gallons. at 16,000, 2308-16°. umption 15 GPH. es. es.	of weather.
`	PLT012 .) What should be the approximate elapsed time nd is 24 knots from 260° and your intended TAS	

C) 39 minutes.		
`	PLT012 22, and 24.) What fuel would be consumed on thurst arrango, Co. if the average fuel consumption is 17	•
A) the airport has A\B) the airport is loca	PLT455 be qualified for alternate use if WOS-3 weather reporting. ted next to a restricted or prohibited area. ed for the final approach are unmonitored.	IRA
` •	PLT091) If the magnetic heading shown for aircraft 7 is no licate the aircraft is on the 120° magnetic bearing	
68. (Refer to figure 101. A) 060°. B) 260°. C) 270°.	PLT014) What is the magnetic bearing TO the station?	IRA
69. Which DME indication approximately 6,000 A) 0. B) 1. C) 1.3.	PLT202 on should you receive when you are directly over left feet AGL?	IRA a VORTAC site at
the instrument depa	PLT202 and 48.) What is your position relative to the 9 DI rture procedure? c and approaching R 206.	IRA ME ARC and the 206° radial of

B) Outside the 9 D	DME arc and past R 206.	
C) Inside the 9 DN	ME arc and approaching R 206.	
71.	PLT354	IRA
What are the prim	ary benefits of satellite based area navigation	ı (RNAV)?
A) Provides optim	al routing and altitudes.	
B) Radio tuning ar	nd controller communication is minimized.	
C) Standard termi	nal arrival routes and departure procedures a	re not required.
72.	PLT507	IRA
Full scale deflection	on of a CDI occurs when the course deviation	bar or needle
A) deflects from le	eft side of the scale to right side of the scale.	
B) deflects from th	ne center of the scale to either far side of the s	scale.
C) deflects from h	alf scale left to half scale right.	
73.	PLT079	IRA
•	3.) When eastbound on V86 between Whiteha hould cross BZN is	Ill and Livingston, the minimum
A) 10,400 feet.		
B) 9,300 feet.		
C) 8,500 feet.		
74.	PLT100	IRA
On what frequenc	y should you obtain En Route Flight Advisory	Service below FL 180?
A) 122.1T/112.8R		
B) 123.6.		
C) 122.0.		
75.	PLT100	IRA
	9.) When flying from Milford Municipal to Bryce should you be at when crossing Cedar City V	•
A) 11,400 feet.		
B) 12,000 feet.		
C) 13,000 feet.		
76.	PLT100	IRA
(Refer to figure 91 flight on V257?	.) What is the minimum crossing altitude at D	BS VORTAC for a northbound IFR
A) 7,500 feet.		

3) 8,600 feet. C) 11,100 feet.		
77.	PLT089	IRA
crossing Gymme int A) 6,400 feet.	En route on V112 from BTG VORTAC to LTJ VC tersection is	ORTAC, the minimum altitude
3) 6,500 feet. C) 7,000 feet.		
78.	PLT089	IRA
(Refer to figure 47.) at TROTS intersecti A) 7,100 feet. B) 10,000 feet. C) 11,500 feet.	En route on V468 from BTG VORTAC to YKM V on is	ORTAC, the minimum altitude
79.	PLT102	IRA
What does the symbolic airport indicate?	ool T within a black triangle in the minimums sect	ion of the IAP for a particular
A) Takeoff minimum more than two engir	ns are 1 mile for aircraft having two engines or les	ss and 1/2 mile for those with
3) Instrument takeo	ffs are not authorized.	
C) Takeoff minimum	ns are not standard and/or departure procedures	are published.
30.	PLT083	IRA
(Refer to figure 130. approach to Roanol	.) How should the pilot identify the missed approase Regional?	ach point for the S LDA GS 6
A) Arrival at 1,540 fe	eet on the glide slope.	
B) Arrival at 1.0 DM	E on the LDA course.	
C) Time expired for	distance from OM to MAP.	
31.	PLT083	IRA
required to conduct	.) Other than VOR/DME RNAV, what additional n the VOR/DME RNAV RWY 4R approach at BOS	
A) None. 3) VNAV.		
,	n altitude encoding and Marker Beacon.	
,		

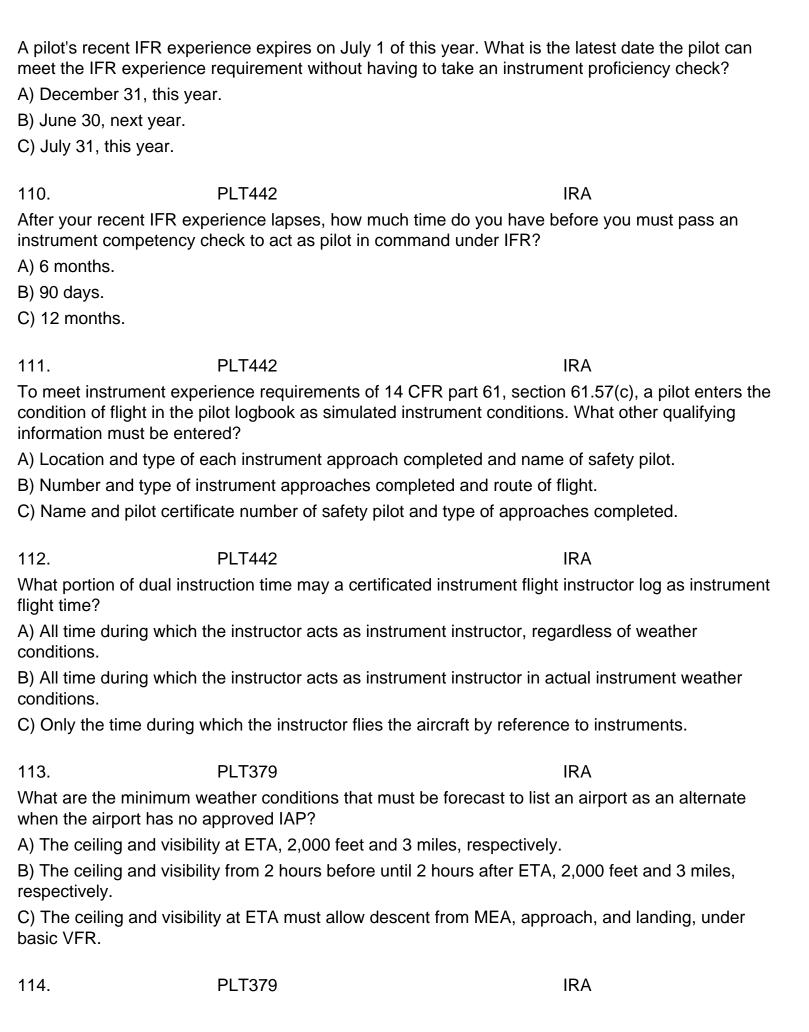
82.	PLT083	IRA
(Refer to figure 133.) approach from Seal) What is the minimum altitude descent procedu Beach VORTAC?	re if cleared for the S ILS 9
-	intain 3,000 to JASER INT, descend to and main maintain 1,260 until crossing AGNES, and to 99	
,	intain 3,000 to JASER INT, descend to 2,800 which maintain the GS to 991 (DH).	nen established on the LOC
,	intain 3,000 to JASER INT, descend to 2,500 whercept and maintain the GS to 991 (DH).	nile established on the LOC
83.	PLT083	IRA
•) The control tower at BOS reports tall vessels in VRWY 4R straight-in approach minimums for Ca	· •
A) 840/40.		
B) 890/24.		
C) 890/40.		
84.	PLT292	IRA
How does a pilot det	ermine if DME is available on an ILS/LOC?	
A) IAP indicate DME	TACAN channel in LOC frequency box.	
B) LOC\DME are inc	licated on en route low altitude frequency box.	
C) LOC\DME freque	ncies available in the Airman's Information Man	ual.
85.	PLT083	IRA
(Refer to figure 128.) Approach Chart?) What is the purpose of the 10,300 MSA on the	Price/Carbon County Airport
A) It provides safe cl	earance above the highest obstacle in the defin	ed sector out to 25 NM.
B) It provides an altit	tude above which navigational course guidance	is assured.
•	vector altitude for radar vectors in the sector so bearing to PUC VOR.	utheast of PUC between 020°
86.	PLT083	IRA
(Refer to figure 129.)) What is the position of LABER relative to the re	eference facility?
A) 316°, 24.3 NM.		
B) 177°, 10 NM.		
C) 198°, 8 NM.		
87.	PLT083	IRA

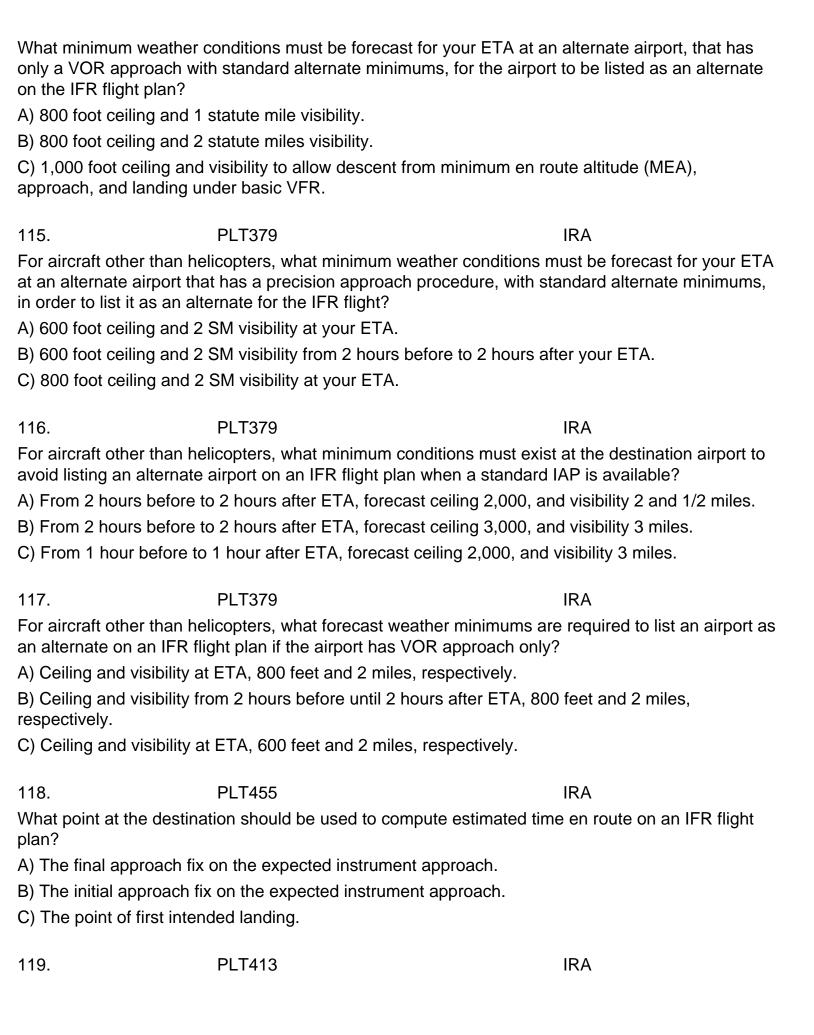
Roanoke Regiona	•	rn restrictions on the LDA RWY 6 approach at
A) Remain within	10 NM of CLAMM INT and on	the north side of the approach course.
B) Remain within	10 NM of the airport on the no	rth side of the approach course.
C) Remain within	10 NM of the outer marker on	the north side of the approach course.
88.	PLT083	IRA
(Refer to figure 13 6 approach at Roa	,	egarding circle to land procedures for LDA RWY/GS
A) Circling to runw	ay 24 not authorized.	
B) Circling not aut	horized NW of RWY 6 24.	
C) Visibility increa	sed 1/2 mile for circling appro	ach.
89.	PLT083	IRA
` •	4.) The point on the teardrop n, is initiated is determined by	procedure where the turn in bound (LOC RWY 35)
A) DME and timin	g to remain within the 10-NM I	imit.
B) Timing for a 2 r	minute maximum.	
C) Estimating grou	und speed and radius of turn.	
90.	PLT083	IRA
(Refer to figure 12 from the LOM?	2.) The missed approach poir	t of the ATL S-LOC 8L procedure is located how far
A) 4.8 NM.		
A) 4.8 NM.		
A) 4.8 NM. B) 5.1 NM.	PLT083	IRA
A) 4.8 NM. B) 5.1 NM. C) 5.2 NM.		IRA equipment is required to complete the VOR/DME-A
A) 4.8 NM.B) 5.1 NM.C) 5.2 NM.91.(Refer to figure 12)	3.) What minimum navigation	
A) 4.8 NM. B) 5.1 NM. C) 5.2 NM. 91. (Refer to figure 12 procedure?	3.) What minimum navigation iver.	
A) 4.8 NM. B) 5.1 NM. C) 5.2 NM. 91. (Refer to figure 12 procedure? A) One VOR received.	3.) What minimum navigation iver.	
A) 4.8 NM. B) 5.1 NM. C) 5.2 NM. 91. (Refer to figure 12 procedure? A) One VOR rece B) One VOR rece	3.) What minimum navigation iver.	
A) 4.8 NM. B) 5.1 NM. C) 5.2 NM. 91. (Refer to figure 12 procedure? A) One VOR rece B) One VOR rece C) Two VOR rece 92. (Refer to figure 12	3.) What minimum navigation iver. iver and DME. ivers and DME. PLT083	equipment is required to complete the VOR/DME-A
A) 4.8 NM. B) 5.1 NM. C) 5.2 NM. 91. (Refer to figure 12 procedure? A) One VOR rece B) One VOR rece C) Two VOR rece 92. (Refer to figure 12 RWY 35 approach	3.) What minimum navigation iver. iver and DME. ivers and DME. PLT083 24.) What options are available	equipment is required to complete the VOR/DME-A IRA concerning the teardrop course reversal for LOC

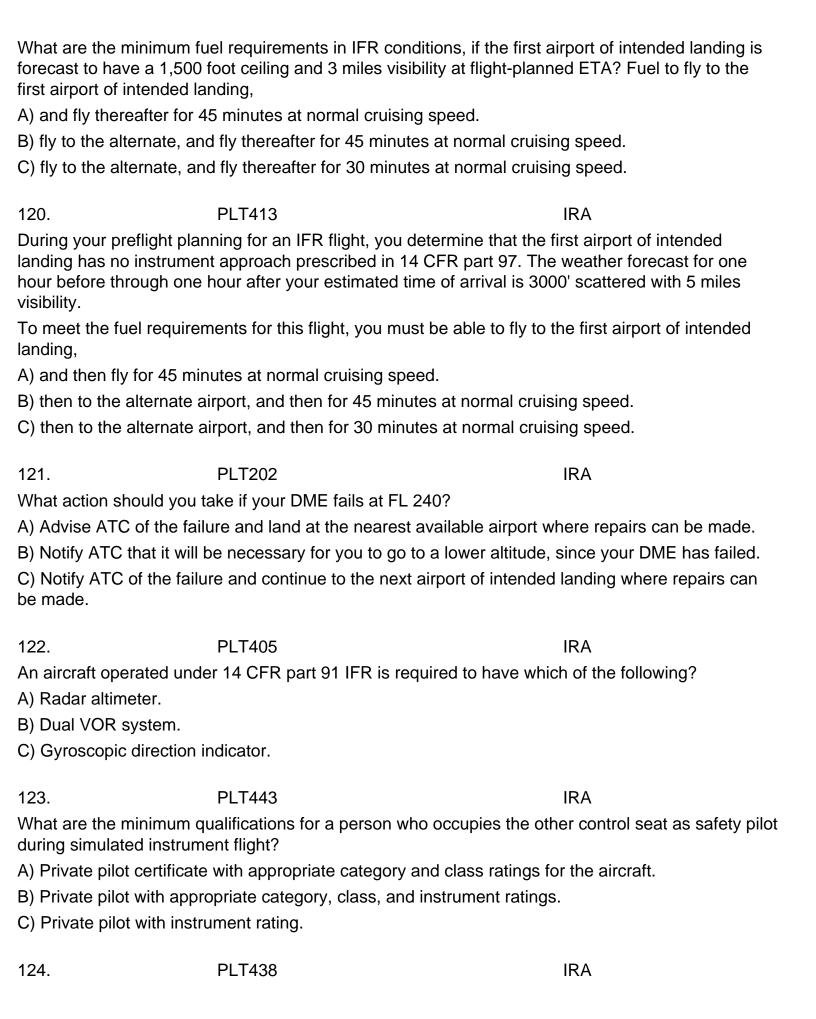
C) A normal prod	cedure turn may be made if	the 10 DME limit is not exceeded.
93.	PLT083	IRA
using a category A) MDA 860 fee B) MDA 860 fee	· · · · · · · · · · · · · · · · · · ·	ns apply for a 14 CFR part 91 operator at Dothan, AL, LOC 31 approach at 120 knots? (DME available). 2 SM.
94.	PLT083	IRA
A) Decreases M B) Decreases vis	o-land minimums for a cated	
95.	PLT083	IRA
(Refer to figure flight would be e	•	Y 28 approach (Lancaster/Fairfield) over ZZV VOR, the
Category A aircr	aft	
Last assigned al	titude 3,000 feet	
, ·	ght in from CRISY, descend	
		drop procedure as depicted on the approach chart.
C) proceed direc	ct to CASER, then straight in	n to S-28 minimums of 1620-1.
96.	PLT083	IRA
	sector altitude within 25 NN ection. VORTAC.	n view of the VOR/DME-A procedure at 7D3 represents 1 of
97.	PLT083	IRA
(Refer to figure a standard ILS app	-	lity, such as the one at Roanoke Regional, differ from a
A) The LOC is w		
,	ffset from the runway.	
C) The GS is un	usable beyond the MM.	

98.	PLT361	IRA
How wide is an SDF	course?	
A) Either 3° or 6°.		
B) Either 6° or 12°.		
C) Varies from 5° to	10°.	
99.	PLT354	IRA
When using GPS for have	navigation and instrument appro	paches, any required alternate airport must
A) authorization to fly	y approaches under IFR using G	PS avionics systems.
B) a GPS approach	that is anticipated to be operatior	al and available at the ETA.
C) an approved oper	rational instrument approach prod	cedure other than GPS.
100.	PLT360	IRA
What international manding system?	orse code identifier is used to ide	entify a specific interim standard microwave
A) A two letter Morse	e Code identifier preceded by the	Morse Code for the letters `IM`.
B) A three letter Mor	se Code identifier preceded by the	e Morse Code for the letter `M`.
C) A three letter Mor	se Code identifier preceded by the	ne Morse Code for the letters `ML`.
101.	PLT354	IRA
If Receiver Autonom		s not available when setting up a GPS
approach, the pilot s	hould	
approach, the pilot s		satellites before reaching the FAF.
approach, the pilot s A) continue the appr		·
approach, the pilot s A) continue the appr B) select another typ	oach, expecting to recapture the	stem.
approach, the pilot s A) continue the appr B) select another typ	oach, expecting to recapture the e of navigation and approach sys	stem.
approach, the pilot s A) continue the appr B) select another typ C) continue to the M 102.	oach, expecting to recapture the be of navigation and approach sys AP and hold until the satellites ar PLT359	stem. re recaptured.
approach, the pilot s A) continue the appr B) select another typ C) continue to the M 102. By which means may operations? A) Not necessary; Lo	oach, expecting to recapture the be of navigation and approach system AP and hold until the satellites and PLT359 by a pilot determine if a Loran C expression of the contract	stem. re recaptured. IRA
approach, the pilot s A) continue the appr B) select another typ C) continue to the M 102. By which means may operations? A) Not necessary; Lo B) Check aircraft log	oach, expecting to recapture the be of navigation and approach system. AP and hold until the satellites and PLT359 by a pilot determine if a Loran C expression of the control of the cont	stem. re recaptured. IRA
approach, the pilot s A) continue the appr B) select another typ C) continue to the M 102. By which means may operations? A) Not necessary; Lo B) Check aircraft log	oach, expecting to recapture the be of navigation and approach system AP and hold until the satellites and PLT359 by a pilot determine if a Loran C expression of the contract	stem. re recaptured. IRA
approach, the pilot s A) continue the appr B) select another typ C) continue to the M 102. By which means may operations? A) Not necessary; Lo B) Check aircraft log	oach, expecting to recapture the be of navigation and approach system. AP and hold until the satellites and PLT359 by a pilot determine if a Loran C expression of the control of the cont	stem. re recaptured. IRA
approach, the pilot s A) continue the appr B) select another typ C) continue to the M 102. By which means may operations? A) Not necessary; Lo B) Check aircraft log C) Check the Airplan 103.	oach, expecting to recapture the se of navigation and approach system AP and hold until the satellites are PLT359 y a pilot determine if a Loran C expran C is not approved for IFR. book. ne Flight Manual Supplement.	IRA quipped aircraft is approved for IFR
approach, the pilot s A) continue the appr B) select another typ C) continue to the M 102. By which means may operations? A) Not necessary; Lo B) Check aircraft log C) Check the Airplan 103. During IFR operation	oach, expecting to recapture the se of navigation and approach system AP and hold until the satellites are PLT359 y a pilot determine if a Loran C element C is not approved for IFR. book. ne Flight Manual Supplement. PLT354 n using an approved GPS system	IRA quipped aircraft is approved for IFR

C) no other nav	vigation system is required.	
104.	PLT354	IRA
During IFR en based navigation		sing an approved GPS system for navigation, ground
A) must be ope	erational only if RAIM predicts a	n outage.
B) must be ope	erational along the entire route.	
C) are only req	uired during the approach portion	on of the flight.
105.	PLT354	IRA
Hand - held GF operations as	PS systems, and GPS systems	certified for VFR operation, may be used during IFR
A) the primary	source of navigation.	
B) the principal	reference to determine enroute	e waypoints.
C) an aid to situ	uational awareness.	
106.	PLT078	IRA
`	58.) On which frequencies cou he ground at College Station?	lld you communicate with the Montgomery County
A) 122.65, 122	.2, 122.1, 113.3.	
B) 122.65, 122	.2.	
C) 118.5, 122.6	65, 122.2.	
107.	PLT323	IRA
What information	on is contained in the Notices to	Airman Publication (NTAP)?
A) Current NO	TAM (D) and FDC NOTAMs.	
B) All Current N	NOTAMs.	
C) Current NO	TAM (L) and FDC NOTAMs.	
108.	PLT442	IRA
•	scribed for VFR unless that pilot	craft, under IFR or in weather conditions less than the has, within the preceding 6 calendar months,
A) three instrur	ment approaches and logged 3	hours.
B) six instrume	nt flights under actual IFR cond	litions.
•	ent approaches, holding procedustems, or passed an instrumen	ures, intercepting and tracking courses using t proficiency check.
109.	PLT442	IRA







<u>-</u>	0 minutes, how long d	12,500 feet MSL, but not more than 14,000 feet MSL, uring that time is the minimum flightcrew required to
A) 2 hours 20 minutes.		
B) 1 hour 20 minutes.		
C) 1 hour 50 minutes.		
125.	PLT079	IRA
	, ,	irements for an IFR flight northeast bound from Bryce tude in an unpressurized aircraft?
A) The required minimum flight of more than 30 min		ded and use supplemental oxygen for that part of the
,	•	ded and use supplemental oxygen for that part of the ngers must be provided supplemental oxygen.
		ded and use supplemental oxygen, and all occupants e entire flight above 15,000 feet.
126.	PLT079	IRA
(Refer to figure 91.) What DBS VORTAC in an unp		irements for an IFR flight eastbound on V520 from the MEA?
A) The required minimum flight of more than 30 min	•	ded and use supplemental oxygen for that part of the
•	•	ded and use supplemental oxygen for that part of the ngers must be provided supplemental oxygen.
C) The required minimum	n crew must be provid	ded and use supplemental oxygen.
127.	PLT508	IRA
When must an operation operate under IFR?	al check on the aircra	ft VOR equipment be accomplished when used to
A) Within the preceding 1	10 days or 10 hours o	f flight time

- A) Within the preceding 10 days or 10 hours of flight time.
- B) Within the preceding 30 days or 30 hours of flight time.
- C) Within the preceding 30 days.

128. **PLT300** IRA

When making an airborne VOR check, what is the maximum allowable tolerance between the two indicators of a dual VOR system (units independent of each other except the antenna)?

- A) 4° between the two indicated bearings of a VOR.
- B) Plus or minus 4° when set to identical radials of a VOR.
- C) 6° between the two indicated radials of a VOR.

129.	PLT291	IRA
'WND' in the c period is forec	_	Area Forecast means that the wind during that
A) At least 6 k	nots or stronger.	
B) At least 15	knots or stronger.	
C) At least 20	knots or stronger.	
130.	PLT051	IRA
What does a 0	Convective Outlook (AC) describe	for a following 24 hour period?
A) General thu	understorm activity.	
B) A severe w	eather watch bulletin.	
C) When fored	cast conditions are expected to co	ntinue beyond the valid period.
131.	PLT284	IRA
	mperatures Aloft Forecast (FD)? V	titudes omitted at a specific location or station in the When the wind
B) is less than		
•	ide is within 1,500 feet of the station	on elevation
o) at the aima	ide is within 1,000 feet of the static	ar die valion.
132.	PLT290	IRA
AIRMET's are	issued on a scheduled basis ever	·y
A) 15 minutes	after the hour only.	
B) 15 minutes	until the AIRMET is canceled.	
C) six hours.		
133.	PLT051	IRA
What informat	ion is provided by a Convective O	utlook (AC)?
A) It describes hours.	s areas of probable severe icing ar	nd severe or extreme turbulence during the next 24
B) It provides hours.	prospects of both general and sev	vere thunderstorm activity during the following 24
•	areas of probable convective turb above 500 MB).	ulence and the extent of instability in the upper
134.	PLT066	IRA
	e 9.) Using the DAY 2 CONVECTI Intered on a flight from Montana to	IVE OUTLOOK, what type of thunderstorms, if any, central California?
A) Moderate ri	isk area, surrounded by a slight ris	sk area, of possible severe turbulence.

B) None.		
C) General.		
135.	PLT068	IRA
(Refer to figure 7.) What weather conditions ar	e depicted within the area indicated by arrow B?
A) Light to moder	ate turbulence at and above 3	37,000 feet MSL.
B) Moderate turbi	ulence from below 24,000 fee	t MSL to 37,000 feet MSL.
C) Moderate to se	evere CAT is forecast to exist	at FL 370.
136.	PLT068	IRA
`	3, SFC PROG) A planned low ikely to encounter	altitude flight from northern Florida to southern
A) intermittent rai feet.	n or rain showers, moderate t	turbulence, and freezing temperatures above 8,000
B) showery precip	pitation, thunderstorms/rain sl	nowers covering half or more of the area.
	citation covering less than had cures above 12,000 feet.	If the area, no turbulence below 18,000 feet, and
137.	PLT068	IRA
(Refer to figure 5. Significant Weath	•	symbol depicted as used on the U.S. Low Level
A) Showery precior more of the are		mbedded in an area of continuous rain covering half
B) Continuous pre	ecipitation (e.g. rain) covering	half or more of the area.
C) Showery preci	pitation (e.g. thunderstorms/ra	ain showers) covering half or more of the area.
138.	PLT068	IRA
The Low-Level Si	gnificant Weather Prognostic	Chart depicts weather conditions
A) that are foreca	st to exist at a valid time show	wn on the chart.
B) as they existed	d at the time the chart was pre	epared.
C) that existed at	the time shown on the chart	which is about 3 hours before the chart is received.
139.	PLT353	IRA
What important in weather charts?	formation is provided by the	Radar Summary Chart that is not shown on other
A) Lines and cells B) Types of preci	s of hazardous thunderstorms pitation.	i .
	cover and icing levels within	the clouds.

140.	PLT071	IRA
The Surface Analy	sis Chart depicts	
A) actual pressure chart.	systems, frontal locations	s, cloud tops, and precipitation at the time shown on the
•	and expected movement of chart transmission.	t, pressure centers, cloud coverage, and obstructions to
,	ositions, pressure patterns on at the valid time of the	s, temperature, dew point, wind, weather, and chart.
141.	PLT511	IRA
Which are characte	eristics of an unstable col	d air mass moving over a warm surface?
A) Cumuliform clou	uds, turbulence, and poor	visibility.
B) Cumuliform clou	uds, turbulence, and good	visibility.
C) Stratiform cloud	ls, smooth air, and poor v	sibility.
142.	PLT511	IRA
An air mass is a bo	ody of air that	
A) has similar cloud	d formations associated v	vith it.
B) creates a wind s	shift as it moves across th	e Earth's surface.
C) covers an exten	sive area and has fairly u	niform properties of temperature and moisture.
143.	PLT511	IRA
What determines the ascend?	he structure or type of clo	uds which form as a result of air being forced to
A) The method by	which the air is lifted.	
B) The stability of t	he air before lifting occurs	S.
C) The amount of o	condensation nuclei prese	ent after lifting occurs.
144.	PLT173	IRA
Which is a characte	eristic of stable air?	
A) Fair weather cu	mulus clouds.	
B) Stratiform cloud	S.	
C) Unlimited visibil	ity.	
145.	PLT511	IRA
The general charac	cteristics of unstable air a	re
A) good visibility, s	howery precipitation, and	cumuliform type clouds.
B) good visibility, s	teady precipitation, and s	tratiform type clouds.
C) poor visibility, in	itermittent precipitation, a	nd cumuliform type clouds.

146.	PLT511	IRA
What type of clouds will b	e formed if very stable moist air is forced up s	lope?
A) First stratified clouds a	nd then vertical clouds.	
B) Vertical clouds with inc	creasing height.	
C) Stratified clouds with li	ttle vertical development.	
147.	PLT226	IRA
	tion fog most likely to occur?	IIVA
A) Coastal areas.	dion log most likely to occur:	
B) Mountain slopes.		
C) Level inland areas.		
e, zovor imaria aroao.		
148.	PLT226	IRA
Fog is usually prevalent in	n industrial areas because of	
A) atmospheric stabilization	on around cities.	
B) an abundance of cond	ensation nuclei from combustion products.	
C) increased temperature	es due to industrial heating.	
149.	PLT226	IRA
Which weather condition colder surface?	can be expected when moist air flows from a	relatively warm surface to a
A) Increased visibility.		
B) Convective turbulence	due to surface heating.	
C) Fog.		
150.	PLT511	IRA
Frontal waves normally for		II VA
A) slow moving cold front		
•	nts and strong occluded fronts.	
C) rapidly moving cold fro	_	
o, rapidly moving cold no	me or warm nome.	
151.	PLT512	IRA
To which meteorological	condition does the term 'dew point' refer?	
A) The temperature to wh		
	ich air must be cooled to become saturated.	
B) The temperature at wh	nich air must be cooled to become saturated. nich condensation and evaporation are equal.	

152.	PL1475	IRA
lf squalls are repo	orted at your destination, what v	wind conditions should you anticipate?
A) Sudden increa least 1 minute.	ses in wind speed of at least 16	6 knots, rising to 22 knots or more, lasting for at
B) Peak gusts of	at least 35 knots for a sustaine	d period of 1 minute or longer.
C) Rapid variation between peaks a		o° and changes in speed of at least 10 knots
153.	PLT518	IRA
Where does wind	I shear occur?	
A) Exclusively in	thunderstorms.	
B) Wherever ther	e is an abrupt decrease in pres	sure and/or temperature.
C) With either a v	vind shift or a wind speed gradi	ent at any level in the atmosphere.
154.	PLT518	IRA
While flying a 3° (expect on the glice	•	to a tailwind. Which conditions should the pilot
A) Airspeed and լ	pitch attitude decrease and the	re is a tendency to go below glide slope.
B) Airspeed and լ	pitch attitude increase and there	e is a tendency to go above glide slope.
C) Airspeed and	pitch attitude decrease and the	re is a tendency to remain on the glide slope.
155.	PLT518	IRA
should be alert fo	or which of the following change climb and a slow rate of descen- nge in airspeed.	
156.	PLT493	IRA
	idered hazardous to flight opera	
•	the basic aerodynamic shape	
-	es control effectiveness.	
•	early airflow separation resulting	g in a loss of lift.
157.	PLT274	IRA
In which meteoro accumulation?	logical environment is aircraft s	tructural icing most likely to have the highest rate of
A) Cumulonimbus	s clouds.	
B) High humidity	and freezing temperature.	

C) Freezing rai	n.	
158.	PLT248	IRA
What force cau	ses a helicopter to turn?	
A) Rudder pres	ssure or force around the vertical ax	dis.
B) Vertical lift of	component.	
C) Horizontal li	ft component.	
159.	PLT166	IRA
If you are depa your altimeter	irting from an airport where you can	not obtain an altimeter setting, you should set
A) on 29.92 inc	ches Hg.	
B) on the curre	nt airport barometric pressure, if kn	own.
C) to the airpor	t elevation.	
160.	PLT162	IRA
Which airspace has a prescribe		en designated in conjunction with an airport which
•	airspace extending upward from 7 he base of the overlying controlled	00 feet or more above the surface and airspace.
B) That Class I control area.	D airspace extending from the surfa	ice and terminating at the base of the continental
C) The Class C	c airspace extending from the surface	ce to 700 or 1,200 feet AGL, where designated.
161.	PLT161	IRA
MOAs are esta	blished to	
A) prohibit all c	ivil aircraft because of hazardous o	r secret activities.
B) separate ce	rtain military activities from IFR traff	ïc.
C) restrict civil	aircraft during periods of high densi	ty training activities.
162.	PLT277	IRA
The rate of des	scent required to stay on the ILS glid	de slope
A) must be incr	reased if the ground speed is decre	ased.
B) will remain o	constant if the indicated airspeed re	mains constant.
C) must be dec	creased if the ground speed is decre	eased.
163.	PLT403	IRA
While on an IFI What action mu	• •	which causes a deviation from an ATC clearance.

A) Notify ATC of	the deviation as soon as possible	e.
B) Squawk 7700	for the duration of the emergence	cy.
C) Submit a deta	illed report to the chief of the AT	C facility within 48 hours.
164.	PLT208	IRA
During an IFR flion failure). The pilot	-	s encountered, (fire, mechanical, or structural
A) not hesitate to	declare an emergency and obta	ain an amended clearance.
B) wait until the s	situation is immediately perilous	before declaring an emergency.
C) contact ATC a	and advise that an urgency cond	ition exists and request priority consideration.
165.	PLT391	IRA
	and have two way radio commun rocedure are you expected to fol	ications failure. If you do not exercise emergency llow?
•	ler to code 7600, continue flight (EA, whichever is higher.	on assigned route and fly at the last assigned
B) Set transpond conditions.	ler to code 7700 for 1 minute, the	en to 7600, and fly to an area with VFR weather
C) Set transpond	ler to 7700 and fly to an area wh	ere you can let down in VFR conditions.
166.	PLT083	IRA
(Refer to figure 6 category based?	•	eed is the COPTER VOR/DME 117° approach
A) 80 knots.		
B) 90 knots.		
C) 100 knots.		
167.	PLT434	IRA
•	r destination airport on an IFR fl a contact approach?	ight plan. Which is a prerequisite condition for the
A) Clear of cloud	s and at least 1 SM flight visibilit	y.
B) A ground visib	oility of at least 2 SM.	
C) A flight visibili	ty of at least 1/2 NM.	
168.	PLT186	IRA
Which instrumen a level standard-		upporting for bank, respectively, when establishing
A) Turn coordina	tor and attitude indicator.	
B) Attitude indica	ator and turn coordinator.	

C) Turn coordinator and	heading indicator.	
169.Which instrument provid level flight?A) Turn and slip indicatoB) Attitude indicator.C) Heading indicator.	PLT185 es the most pertinent information (primary) for r.	IRA bank control in straight-and-
170.What is the third fundamA) Instrument cross-cheeB) Power control.C) Aircraft control.	PLT185 ental skill in attitude instrument flying? ck.	IRA
171. (Refer to figure 148.) Whinstruments has malfund A) Climbing turn to left. B) Climbing turn to right. C) Level turn to left.		IRA nsmits information to the
attitude indicator? A) Two bar widths below	PLT175 otation, approximately what flight attitude show the artificial horizon. fill give an established rate of descent of not m	
173.What is the primary pitchA) Altimeter.B) Airspeed indicator.C) VSI.	PLT175 instrument during a stabilized autorotation?	IRA
174. Which initial pitch attitud at normal cruise in a heli A) Two bar width.	PLT185 e change on the attitude indicator should be nicopter?	IRA nade to correct altitude while

B) One and one	e half bar width.	
C) One bar wid	th.	
175.	PLT278	IRA
_	al acceleration on an instrumen the attitude indicator?	t takeoff in a helicopter, what flight attitude should be
A) Level flight a	attitude.	
B) Two bar wid	ths low.	
C) One bar wid	th high.	
176.	PLT185	IRA
	eed in a level turn? licator.	ower as the airspeed reaches the desired value during
177.	PLT278	IRA
Errors in both p aircraft rolls out		attitude indicator are usually at a maximum as the
A) 180° turn.		
B) 270° turn.		
C) 360° turn.		
178.	PLT118	IRA
One characteris	stic that a properly functioning	gyro depends upon for operation is the
A) ability to resi	ist precession 90° to any applie	ed force.
B) resistance to	deflection of the spinning whe	el or disc.
C) deflecting fo	rce developed from the angula	r velocity of the spinning wheel.
179.	PLT215	IRA
	e the indication on the magnetion the transfer in the Northern Hei	c compass as you roll into a standard-rate turn to the misphere?
A) The compas	s will indicate a turn to the righ	t, but at a faster rate than is actually occurring.
B) The compas	s will initially indicate a turn to	the left.
C) The compas heading of the		ort time, then gradually catch up to the magnetic
180.	PLT215	IRA

What causes the norther A) Coriolis force at the mB) Centrifugal force actin C) The magnetic dip cha	ng on the compass card.	
A) Indirect indication of t	PLT187 nted by the miniature aircraft of the turn coordi he bank attitude. e bank attitude and the quality of the turn.	IRA nator?
182. (Refer to figure 144.) Wh A) 3. B) 1. C) 2.	PLT086 nich illustration indicates a coordinated turn?	IRA
183. (Refer to figure 144.) Wh A) 3. B) 1. C) 2.	PLT086 nich illustration indicates a coordinated turn?	IRA
in a coordinated standar A) Increase left pedal an B) Increase left pedal an	nd increase rate of turn.	IRA made so that '2' would result
185. (Refer to figure 144.) Wh A) 1. B) 3. C) 2.	PLT086 nich illustration indicates a slipping turn?	IRA
186. (Refer to figure 144.) Wh	PLT086 nich illustration indicates a slipping turn?	IRA

A) 1.		
B) 3.		
C) 2.		
187.	PLT187	IRA
Prior to starting	an engine, you should check t	the turn and slip indicator to determine if the
A) needle indica	ation properly corresponds to t	he angle of the wings or rotors with the horizon.
B) needle is app	proximately centered and the t	ube is full of fluid.
C) ball will move	e freely from one end of the tul	be to the other when the aircraft is rocked.
188.	PLT185	IRA
Which instrume	nt indicates the quality of a tur	n?
A) Attitude indic	ator.	
B) Heading indi	cator or magnetic compass.	
C) Ball of the tu	rn coordinator.	
189.	PLT187	IRA
	te turn is maintained, how muc to a heading of 300°?	ch time would be required to turn to the left from a
A) 30 seconds.		
B) 40 seconds.		
C) 50 seconds.		
190.	PLT052	IRA
(Refer to figure assigned route i	, ·	ke if cleared for the Washoe Two Departure and your
A) Climb on the	LOC south course to WAGGE	where you will be vectored to V6.
,	LOC south course to cross W ross at or above 10,000, and p	AGGE at 9,000, turn left and fly direct to FMG proceed on FMG R 241.
turn left and pro		E, turn left and fly direct to FMG VORTAC. If at 10,000 10,000 enter depicted holding pattern and climb to
191.	PLT293	IRA
Which is true re	garding the use of a instrumer	nt departure procedure chart?
A) The use of in	strument departure procedure	s is mandatory.
•	strument departure procedure, standard departure.	the pilot must possess at least the textual description

C) To use an instrur form of the approve	•	the pilot must possess both the textual and graphic
192.	PLT166	IRA
of 30.26 inches Hg	•	ctly, but you fail to reset it to the local altimeter setting elevation is 134 feet and your altimeter is functioning
C) 206 feet below M	1SI	
O) 200 leet below iv	IOL.	
193.	PLT166	IRA
How does a pilot no airspace below 18,0	•	Itimeter setting during an IFR flight in Class E
A) The pilot should	contact ARTCC at least ev	ery 100 NM and request the altimeter setting.
		er information at 15 minutes past the hour.
C) ATC periodically	advises the pilot of the pro	per altimeter setting.
194.	PLT430	IRA
•	rescribed, what is the rule r light over nonmountainous	egarding altitude and course to be maintained during terrain?
A) 1,000 feet above	the highest obstacle within	n 4 NM of course.
B) 2,000 feet above	the highest obstacle within	n 5 SM of course.
C) 1,000 feet above	the highest obstacle within	n 3 NM of course.
195.	PLT033	IRA
What is the definitio	n of MEA?	
-	shed altitude which meets on al signal coverage.	obstacle clearance requirements and assures
•		obstacle requirements, assures acceptable ommunications, and provides adequate radar
		requirements, assures acceptable navigation signal equate radar coverage, and accurate DME mileage.
196.	PLT033	IRA
If no MCA is specific minimum applies?	ed, what is the lowest altitu	de for crossing a radio fix, beyond which a higher
A) The MEA at which	ch the fix is approached.	
B) The MRA at which	ch the fix is approached.	

C) The MOCA for	the route segment beyond	the fix.
197.	PLT033	IRA
ATC may assign t A) 22 NM of a VO B) 25 NM of a VO C) 30 NM of a VO	R. R.	ecial conditions exist, and when within
198.	PLT146	IRA
'HOLD EAST OI	3.) You receive this ATC of THE ABC VORTAC ON mended procedure to ente	THE ZERO NINER ZERO RADIAL, LEFT TURNS'
199.	PLT146	IRA
`CLEARED TO 'BEARING FROM	THE NDB. LEFT TURNS	UTHEAST ON THE ONE FOUR ZERO DEGREE
200.	PLT146	IRA
A) When the wing turn to the outbou	s are level and the wind dr nd heading. s are level after completing first.	Id the timing begin for the second leg outbound? ift correction angle is established after completing the g the turn to the outbound heading, or abeam the fix,
201.	PLT201	IRA
What action is rec	ommended if a pilot does r	not wish to use an instrument departure procedure?
•	ce delivery or ground contr	•
•	re control upon initial conta	
C) Enter 'No DP' i	n the REMARKS section o	the IFR flight plan.

202.	PLT052	IRA
(Refer to figure 85.) What WAGGE Departure?	at is the minimum rate climb per NM to 9	0,000 feet required for the WASH2
A) 400 feet.		
B) 750 feet.		
C) 875 feet.		
203.	PLT091	IRA
	he magnetic heading shown for aircraft are the aircraft is on the 120° magnetic be	
204.	PLT091	IRA
	he magnetic heading shown for aircraft to the aircraft is on the 210° magnetic be	
205.	PLT091	IRA
,	he magnetic heading shown for aircraft are the aircraft is on the 255° magnetic be	•
206.	PLT091	IRA
•	he magnetic heading shown for aircraft on the aircraft is on the 060° magnetic be	
207.	PLT091	IRA
(Refer to instruments in the station would be	figure 103.) On the basis of this information	tion, the magnetic bearing FROM

۹) 030°.		
3) 060°.		
C) 240°.		
208.	PLT090	IRA
`	s 85 and 86.) Which combination of ection slightly to the right of the LC	of indications confirm that you are approaching OC centerline on departure?
209.	PLT100	IRA
	89.) What type airspace exists ab	ove Bryce Canyon Airport from the surface to
A) Class D.		
B) Class E.		
C) Class G.		
210.	PLT102	IRA
(Refer to figure altimeter setting		minimums if you must use the Moisant Field
<u>ላ) 440 1.</u>		
B) 480 and 1/2.		
C) 580 and 1/2.		
211.	PLT411	IRA
Jnder which co	ndition may you act as pilot in con	nmand of a helicopter under IFR?
	and ratings: Private Pilot Certification and helicopter class rating.	ate with AMEL and Airplane instrument, rotorcraft
A) If a certificate	ed helicopter instrument flight instr	uctor is on board.
B) If you meet the	ne recent helicopter IFR experienc	ce requirements.
C) If you acquire	e a helicopter instrument rating an	d meet IFR currency requirements.
212.	PLT442	IRA
	flight hours, within the preceding elicopter if you already have 3 hou	6 calendar months, are required to maintain IFR rs in an instrument simulator?
A) 3 hours of ac	tual or simulated instrument time	in the same type helicopter.
3) None, but 6 i accomplished.	nstrument approaches, holding pr	ocedures and tracking courses must be

213.	PLT442	IRA
	trument approaches, if any ments for IFR operation in	/, must you perform to meet the recent flight a helicopter?
Within the precedin	g 6 calendar months, you	have accomplished:
One approach in a	helicopter.	
Two approaches in	an airplane.	
Two approaches in	an approved airplane simi	ulator.
A) None.		
3) One approach in	n an airplane, helicopter, or	approved simulator.
C) Five approaches	s in a helicopter or an appr	oved rotorcraft simulator.
214.	PLT411	IRA
•	•	mmand of a helicopter in IMC if you hold a Private nt rating, rotorcraft category, and helicopter class
A) Yes, if you comp	oly with the recent IFR expo	erience requirements for a helicopter.
3) No, you must ho nelicopter instrume		irline Transport Pilot-Helicopter Certificate or a
C) No, however, yo to VFR.	u may do so if you hold an	Airline Transport Pilot-Helicopter Certificate, limited
215.	PLT379	IRA
For helicopters, is a proposed ETA is 19		d for an IFR flight to ATL (Atlanta Hartsfield) if the
TAF KATL 1217202	Z 121818 20012KT 5SM H	Z BKN030
FM2000 3SM TSRA	A OVC025CB	
FM2200 33015G20	KT P6SM BKN015 OVC04	40 BECMG 0608
02008KT BKN 040	BECMG 1012 00000KT P	6SM CLR=
A) Yes, because the ETA.	e ceiling could fall below 2	,000 feet within 2 hours before to 2 hours after the
B) No, because the espectively.	ceiling and visibility are fo	precast to remain at or above 1,000 feet and 3 miles,
•	•	orecast to be at or above 1,000 feet above the airport ninima) with 3 miles visibility at the ETA to 1 hour
216.	PLT379	IRA

C) None, but three instrument approaches must also be accomplished.

For helicopters, what minimum conditions must exist at the destination airport to avoid listing an alternate airport on an IFR flight plan when a standard IAP is available?

- A) From the ETA to 1 hour after the ETA, reports and forecasts indicate a ceiling 1,000 feet above the airport elevation, or at least 400 feet above the lowest applicable approach minima, whichever is higher, and visibility 2 statute miles.
- B) From 1 hour before to 1 hour after ETA, reports and forecasts indicate a ceiling of 1,000 feet above the airport elevation and visibility 2 miles.
- C) From 1 hour before to 1 hour after ETA, forecast ceiling 2,000, and visibility 3 miles.

217. PLT379 IRA

For helicopters, what minimum weather conditions must be forecast for your ETA at an alternate airport that has only a VOR approach with standard alternate minimums, for the airport to be listed as an alternate on the IFR flight plan?

- A) 800 foot ceiling and 1 statute mile (SM) visibility.
- B) 800 foot ceiling and 2 SM visibility.
- C) Ceiling 200 feet above the minimums for the approach to be flown and 1 statute mile visibility, but not less than the minimum visibility for the approach to be flown.

218. PLT379 IRA

For helicopters, what minimum weather conditions must be forecast for your ETA at an alternate airport that has a precision approach procedure, with standard alternate minimums, in order to list it as an alternate for the IFR flight?

- A) 600 foot ceiling and 2 SM visibility at your ETA.
- B) 200 foot ceiling above the airport elevation and 1 SM visibility from 1 hour before to 1 hour after your ETA.
- C) 200 foot ceiling above the approach minimums and 1 SM visibility, but not less than the visibility minimums for the approach, at your ETA.

219. PLT382 IRA

When an alternate airport is required, for helicopters, what are the weather minimums that must be forecast at the ETA for an alternate airport that has a precision approach procedure?

- A) Ceiling 200 feet above the approach minimums and at least 1 statute mile visibility, but not less than the minimum visibility for the approach.
- B) Ceiling 200 feet above field elevation and visibility 1 statute mile, but not less than the minimum visibility for the approach.
- C) 600 foot ceiling and 2 statute miles visibility.

220. PLT429 IRA

(Refer to figure 59.) Unless otherwise authorized by ATC, what is the minimum equipment for navigation of helicopters on an IFR cross-country flight when in the immediate vicinity of the HUMBLE VORTAC?

A) VOR receive	r, transponder with Mode C capa	ability, and two-way communications.
B) Transponder	with Mode C capability and two-	way communications.
C) VOR (or TAC	CAN) and two-way communication	ns.
221.	PLT405	IRA
Aircraft being op VFR and night,	•	o have, in addition to the equipment required for
A) distance mea	asuring equipment.	
B) dual VOR red	ceivers.	
C) a slip skid ind	dicator.	
222.	PLT420	IRA
During a precisi operated below		Category A minimums) a helicopter may not be
A) the ceiling is	forecast to be at or above landing	g minimums prescribed for that procedure.
B) positioned su	uch that a normal approach to the	e runway of intended landing can be made.
C) the visibility i	s forecast to be at or above the I	anding minimums prescribed for that procedure.
223.	PLT170	IRA
	if any, to visibility requirements ment approach?	is authorized when using a fixed wing IAP for a
A) All visibility re	equirements may be reduced by	one half.
B) All visibility re	equirements may be reduced by	one fourth.
C) The visibility 1/4 mile.	requirements may be reduced b	y one half, but in no case lower than 1,200 RVR or
224.	PLT420	IRA
All helicopters a	re considered to be in which app	proach category for a helicopter IAP?
A) A.		
B) A or B, depe	nding upon weight.	
C) B.		
225.	PLT382	IRA
-	imum airspeed is the instrument	approach criteria for a helicopter based?
A) 100 knots.		
B) 90 knots.		
C) 80 knots.		
226.	PLT083	IRA

•	33.) If the Class D airspace is no ed for the S LOC 9 approach at	t effective, what is the LOC/VOR minima for a Riverside Municipal?
A) 1,200 and 1/4	mile.	
B) 991 and RVR	24.	
C) 1,300 and 1/4	mile.	
227.	PLT083	IRA
•	28.) What is the helicopter MDA irport (VOR only)?	for a straight in VOR RWY 36 approach at Price/
A) 6,090 feet MS	L.	
B) 500 feet MSL.		
C) 6,400 feet MS	L.	
228.	PLT083	IRA
(Refer to figure 1. Price/Carbon Co	•	g minimum for the VOR RWY 36 approach at
A) 500 foot ceiling	g and 1/2 mile visibility.	
B) 1 mile visibility	' .	
C) one half mile v	visibility.	
229.	PLT083	IRA
•		a missed approach procedure be initiated if the
(Refer to figure 5 runway environm	5.) Under which condition should	a missed approach procedure be initiated if the
(Refer to figure 5 runway environm A) After descendi	5.) Under which condition should ent (Paso Robles Municipal Airp	a missed approach procedure be initiated if the ort) is not in sight?
(Refer to figure 5 runway environm A) After descendi B) After descent t	5.) Under which condition should ent (Paso Robles Municipal Airp ing to 1,440 feet MSL. to 1,440 feet or reaching the 1 N	a missed approach procedure be initiated if the ort) is not in sight?
(Refer to figure 5 runway environm A) After descendi B) After descent t C) When you rea	5.) Under which condition should ent (Paso Robles Municipal Airp ing to 1,440 feet MSL. to 1,440 feet or reaching the 1 N	a missed approach procedure be initiated if the ort) is not in sight? M DME, whichever occurs first.
(Refer to figure 5 runway environm A) After descending B) After descent to the content of the co	5.) Under which condition should lent (Paso Robles Municipal Airping to 1,440 feet MSL. to 1,440 feet or reaching the 1 N ch the established missed appropriate PLT083 29.) As you approach LABER du	I a missed approach procedure be initiated if the ort) is not in sight? M DME, whichever occurs first. ach point and determine the visibility is less than IRA ring a straight-in RNAV RWY 36 approach in a hat the ceiling is 400 feet and the visibility is 1/4
(Refer to figure 5 runway environm A) After descending B) After descent to C) When you read 1/2 mile. 230. (Refer to figure 1 helicopter, Little Fimile. Do regulation A) No, you may read to figure 1.	5.) Under which condition should tent (Paso Robles Municipal Airpoing to 1,440 feet MSL. to 1,440 feet or reaching the 1 North the established missed appropriately. PLT083 29.) As you approach LABER during permit you to continue the approach permit you to continue the approach sent the sent tens of te	I a missed approach procedure be initiated if the ort) is not in sight? M DME, whichever occurs first. ach point and determine the visibility is less than IRA ring a straight-in RNAV RWY 36 approach in a hat the ceiling is 400 feet and the visibility is 1/4
(Refer to figure 5 runway environm A) After descending B) After descent to C) When you read 1/2 mile. 230. (Refer to figure 1 helicopter, Little Fimile. Do regulation A) No, you may repercent.	5.) Under which condition should tent (Paso Robles Municipal Airpoint to 1,440 feet MSL. to 1,440 feet or reaching the 1 Nuch the established missed appropriately approach LABER during the 1 National Control advises to the permit you to continue the approach reduce the visibility prescribes	I a missed approach procedure be initiated if the ort) is not in sight? M DME, whichever occurs first. ach point and determine the visibility is less than IRA ring a straight-in RNAV RWY 36 approach in a hat the ceiling is 400 feet and the visibility is 1/4 approach and land?
(Refer to figure 5 runway environm A) After descending B) After descent in C) When you read 1/2 mile. 230. (Refer to figure 1 helicopter, Little Finile. Do regulation A) No, you may repercent. B) Yes, only a 1/4 RNAV.	5.) Under which condition should tent (Paso Robles Municipal Airpoint to 1,440 feet MSL. to 1,440 feet or reaching the 1 Nuch the established missed appropriately approach LABER during the 1 National Control advises to the permit you to continue the approach reduce the visibility prescribes	I a missed approach procedure be initiated if the ort) is not in sight? M DME, whichever occurs first. ach point and determine the visibility is less than IRA ring a straight-in RNAV RWY 36 approach in a hat the ceiling is 400 feet and the visibility is 1/4 proach and land? If for Category A airplanes by more than 50 of feet is required for any approach, including
(Refer to figure 5 runway environm A) After descending B) After descent in C) When you read 1/2 mile. 230. (Refer to figure 1 helicopter, Little Finile. Do regulation A) No, you may repercent. B) Yes, only a 1/4 RNAV.	5.) Under which condition should tent (Paso Robles Municipal Airpoint to 1,440 feet MSL. to 1,440 feet or reaching the 1 N ch the established missed approach the established missed approach Approach Control advises to the permit you to continue the approach reduce the visibility prescribed mile visibility or an RVR of 1,20	I a missed approach procedure be initiated if the ort) is not in sight? M DME, whichever occurs first. ach point and determine the visibility is less than IRA ring a straight-in RNAV RWY 36 approach in a hat the ceiling is 400 feet and the visibility is 1/4 proach and land? If for Category A airplanes by more than 50 of feet is required for any approach, including

A) terminal area.		
B) area less than	3,000 square miles.	
C) area the size of	of several states.	
232.	PLT513	IRA
•	ovides specific information conc tructions to vision in a route form	erning expected sky cover, cloud tops, visibility, nat?
A) DFW FA 1312	40.	
B) MEM TAF 132	222.	
C) 249 TWEB 252	2317.	
233.	PLT196	IRA
When are ATIS b	roadcasts updated?	
A) Every 30 minu	tes if weather conditions are belo	ow basic VFR; otherwise, hourly.
B) Upon receipt o	f any official weather, regardless	s of content change or reported values.
C) Only when the	ceiling and/or visibility changes	by a reportable value.
234.	PLT026	IRA
A ceiling is define	ed as the height of the	
A) highest layer o	f clouds or obscuring phenomen	a aloft that covers over 6/10 of the sky.
B) lowest layer of	clouds that contributed to the over	verall overcast.
C) lowest layer of	clouds or obscuring phenomena	a aloft that is reported as broken or overcast.
235.	PLT501	IRA
A pilot reporting to attitude should re	-	ses slight, erratic changes in altitude and/or
A) light turbulence	•	
B) moderate turbu		
C) light chop.	dictioe.	
O) light onop.		
236.	PLT290	IRA
SIGMET's are iss	ued as a warning of weather cor	nditions potentially hazardous
A) particularly to I	_	•
B) to all aircraft.		
C) only to light air	craft operations.	
237.	PLT066	IRA
		ivity is expected over Montana on April 4th at

A) General.		
B) None.	of a constant description	
C) A slight risk	of severe thunderstorms.	
238.	PLT066	IRA
•	e 9.) The Severe Weather Outlook Codes what information?	hart, which is used primarily for advance
,	categorical outlook with a 48-hour v rpected tornado activity.	alid time for severe weather watch, thunderstorm
B) A preliminaı turbulence.	ry 12-hour outlook for severe thunde	erstorm activity and probable convective
C) A 24-hour s	evere weather outlook for possible t	hunderstorm activity.
239.	PLT317	IRA
Maximum dow	ndrafts in a microburst encounter m	ay be as strong as
A) 8,000 feet p	er minute.	
B) 7,000 feet p	er minute.	
C) 6,000 feet p	per minute.	
240.	PLT317	IRA
What is the exp	pected duration of an individual micr	oburst?
A) Two minute	s with maximum winds lasting appro	ximately 1 minute.
B) One microb	urst may continue for as long as 2 to	4 hours.
C) Seldom long	ger than 15 minutes from the time th	e burst strikes the ground until dissipation.
241.	PLT344	IRA
What is an ope	erational consideration if you fly into	rain which freezes on impact?
A) You have flo	own into an area of thunderstorms.	
B) Temperatur	es are above freezing at some highe	er altitude.
C) You have flo	own through a cold front.	
242.	PLT493	IRA
Which conditio	ns result in the formation of frost?	
A) The temperare falling.	ature of the collecting surface is at o	or below freezing and small droplets of moisture
B) When dew f	forms and the temperature is below	freezing.
C) Temperatur is colder than f	_	he dewpoint of surrounding air and the dewpoint

243.	PLT344	IRA
	ce pellets at the surface is evi	
-	derstorms in the area.	delites triat
B) a cold front has		
•	•	
C) there is freezing	g rain at a higher altitude.	
244.	PLT345	IRA
Under what condi	tion is pressure altitude and d	ensity altitude the same value?
A) At standard ter	nperature.	
B) When the altim	eter setting is 29.92 inches H	g.
•	-	the same value on the altimeter.
,	, 1	
245.	PLT510	IRA
The primary caus	e of all changes in the Earth's	weather is
A) variation of sol	ar energy received by the Ear	th's regions.
B) changes in air	pressure over the Earth's surf	ace.
C) movement of t	he air masses.	
246.	PLT495	IRA
Which thundersto destructive winds		ost severe conditions, such as heavy hail and
A) Warm front.		
B) Squall line.		
C) Air mass.		
	,,,	
247.	PLT301	IRA
	ssociated with a temperature i	nversion?
A) A stable layer	of air.	
B) An unstable la	yer of air.	
C) Air mass thunc	derstorms.	
248.	PLT492	IRA
If the air temperat	ure is +8 °C at an elevation of what will be the approximate for the second control of the contr	f 1,350 feet and a standard (average) temperature

249.	PLT301	IRA
The most frequ	uent type of ground or surface base	ed temperature inversion is that produced by
A) radiation on	a clear, relatively still night.	
B) warm air be	ing lifted rapidly aloft in the vicinity	of mountainous terrain.
•		the movement of warm air over cold air.
•		
250.	PLT495	IRA
What are the re	equirements for the formation of a	thunderstorm?
A) A cumulus o	cloud with sufficient moisture.	
B) A cumulus o	cloud with sufficient moisture and a	n inverted lapse rate.
C) Sufficient m	oisture, an unstable lapse rate, an	d a lifting action.
054	DI T405	ID A
251.	PLT495	IRA
	r phenomenon is always associated	d with a thunderstorm?
A) Lightning.		
B) Heavy rain		
C) Supercoole	a rainarops.	
252.	PLT518	IRA
What is an imp	oortant characteristic of wind shear	?
A) It is an atmo	ospheric condition that is associate	d exclusively with zones of convergence.
B) The Coriolis	s phenomenon in both high and low	level air masses is the principal generating force.
C) It is an atmo	ospheric condition that may be ass	ociated with a low level temperature inversion, a
jet stream, or a	a frontal zone.	
253.	PLT518	IRA
	oortant characteristic of wind shear	
•	y associated with the lateral vortice	
		orms, but may be found near a strong temperature
inversion.	and only in the vicinity of thuridores	ome, but may be really mean a chorig temperature
C) It may be as	ssociated with either a wind shift or	a wind speed gradient at any level in the
atmosphere.		
254.	PLT518	IRA
	nd shear is commonly encountered	
	ds when the wind velocity is strong	
		ger than 35 knots and near mountain valleys.
	ods of strong temperature inversion	•
,		

260.	PLT444	IRA
C) At the localiz	er MDA minimum and when the	runway is in sight.
•	possible after the runway or runw	
-	hed minimum altitude for a circli	
		ed to commence this maneuver?
		maneuver for a specific approach and landing on the
259.	PLT221	IRA
-, <u>-</u>		
_	through Class B airspace.	
•	ways direct flights.	
A) In Class A ai	····	
Where are VFR	on Top operations prohibited?	
258.	PLT298	IRA
C) an IFR clear	ance is required to operate withi	n the airport traffic area.
D airspace.	·	
•	isibility is less than 3 miles and/o	or the ceiling is less than 1,000 feet in Class B, C, or
A) the in flight v airspace.	isibility is less than 3 miles and t	the ceiling is less than 1,500 feet within Class E
-		ng daylight hours may indicate that
257.	PLT141	IRA
	·	15.4
•	eter to the current altimeter setti for acceptable accuracy.	ng. The indication should be within 75 feet of the
	correspond to the change in sett	-
,	•	nd then the current altimeter setting. The change in
•	rue altitude to compare with the	•
•		rrent temperature and the altimeter indication,
	u preflight check the altimeter pri	
256.	PLT337	IRA
C) Centrifugal for	orce and horizontal lift are equal	and the load factor is decreased.
B) Centrifugal for	orce is greater than horizontal lif	t and the load factor is increased.
A) Centrifugal for	orce is less than horizontal lift ar	nd the load factor is increased.
force, and load		, ,
	-	elationship between the component of lift, centrifugal
255.	PLT248	IRA

What responsibility do conditions?	es the pilot in command	of an IFR flight assume upon entering VFR
A) Report VFR conditi	ons to ARTCC so that a	in amended clearance may be issued.
B) Use VFR operating		·
C) To see and avoid of	•	
261.	PLT170	IRA
Aircraft approach cate	gories are based on	
A) certificated approach	ch speed at maximum g	ross weight.
B) 1.3 times the stall s	speed in landing configu	ration at maximum gross landing weight.
C) 1.3 times the stall s	speed at maximum gross	s weight.
262.	PLT170	IRA
_		cedure turn, the maximum speed should not be
greater than	occure involves a proc	bedare tarri, the maximum speed should not be
A) 180 knots IAS.		
B) 200 knots IAS.		
C) 250 knots IAS.		
263.	PLT420	IRA
When simultaneous ap	pproaches are in progre	ss, how does each pilot receive radar advisories?
A) On tower frequency	y.	
B) On approach contro	ol frequency.	
C) One pilot on tower	frequency and the other	on approach control frequency.
264.	PLT292	IRA
What are the main diff	erences between a visu	al approach and a contact approach?
A) The pilot must requ		the pilot may be assigned a visual approach and
B) The pilot must requ contact approach if VF		nd report having the field in sight; ATC may assign a
C) Any time the pilot re	eports the field in sight,	ATC may clear the pilot for a contact approach; for a
visual approach, the p	illot must advise that the	approach can be made under VFR conditions.
265.	PLT292	IRA
	nents for a contact appro	pach to an airport that has an approved IAP, if the pilot uds?
A) The controller must remain clear of clouds	•	can see the airport at the altitude flown and can

•		given by ATC and the controller must have and be reasonably sure the pilot can remain clear of
C) The pilot must r remaining clear of	• • • • • • • • • • • • • • • • • • • •	t least 1 mile visibility, and be reasonably sure of
266.	PLT420	IRA
When may you obt	tain a contact approach?	
A) ATC may assign are clear of clouds		conditions exist or you report the runway in sight and
B) ATC may assign mile.	n a contact approach if you a	re below the clouds and the visibility is at least 1
C) ATC will assign	a contact approach only upo	on request if the reported visibility is at least 1 mile.
267.	PLT292	IRA
A contact approach A) in lieu of conduct	h is an approach procedure t cting a SIAP.	hat may be used
B) if assigned by AC) in lieu of a visua	TC and will facilitate the appal approach.	roach.
268.	PLT278	IRA
•	ed to change airspeed from h ch, bank, and power, respecti	igh to low cruise in level flight, which instruments vely?
•	or, heading indicator, and ma de indicator, and airspeed ind	nifold pressure gauge or tachometer. dicator.
C) Altimeter, headi	ing indicator, and manifold pr	ressure gauge or tachometer.
269.	PLT187	IRA
What is the primary	y bank instrument once a sta	ndard-rate turn is established?
A) Attitude indicate	or.	
B) Turn coordinato	r.	
C) Heading indicat	or.	
270.	PLT185	IRA
What instrument(s) from straight-and-le		rument when entering a constant airspeed climb
A) Heading indicat	or.	
B) Attitude indicate	or and turn coordinator.	
C) Turn coordinate	or and heading indicator.	

271.	PLT185	IRA
What is the pring rate turn to the	-	tioning from straight-and-level flight to a standard-
A) Attitude indi	cator.	
B) Heading ind	icator.	
C) Turn coordir	nator (miniature aircraft).	
272.	PLT185	IRA
What is the firs	t fundamental skill in attitude inst	rument flying?
A) Aircraft cont	rol.	
B) Instrument of	cross-check.	
C) Instrument i	nterpretation.	
273.	PLT297	IRA
(Refer to figure	150.) What is the flight attitude?	One instrument has malfunctioned.
A) Climbing tur		
B) Climbing tur	-	
	turn to the right.	
274.	PLT297	IRA
` •	e 149.) What is the flight attitude? s malfunctioned.	One system which transmits information to the
A) Level turn to	the right.	
B) Level turn to	the left.	
C) Straight-and	d-level flight.	
275.	PLT297	IRA
	e 146.) Identify the system that ha straight-and-level flight.	s failed and determine a corrective action to return
A) Static/pitot s attitude indicate	•	and level the wings to level flight attitude by use of
B) Vacuum sys	stem has failed; reduce power, rol	I left to level wings, and pitchup to reduce airspeed.
C) Electrical sy airspeed.	rstem has failed; reduce power, ro	oll left to level wings, and raise the nose to reduce
276.	PLT166	IRA
What is the prin	mary pitch instrument when estab	lishing a constant altitude standard-rate turn?
A) Altimeter.		

B) VSI.		
C) Airspeed inc	dicator.	
277.	PLT186	IRA
Which instrume	ents, in addition to the attitude in	dicator, are pitch instruments?
A) Altimeter an	d airspeed only.	
B) Altimeter an	d VSI only.	
C) Altimeter, ai	rspeed indicator, and vertical sp	eed indicator.
278.	PLT278	IRA
What is the prir A) Attitude indic B) VSI.		tabilized climbing left turn at cruise climb airspeed?
C) Airspeed inc	dicator.	
279.	PLT278	IRA
	g level flight at constant thrust, we need for a pitch change?	which instrument would be the least appropriate for
A) Altimeter.		
B) VSI.		
C) Attitude indi	cator.	
280.	PLT278	IRA
A) full bar width	imb, altitude corrections of less to on the attitude indicator. The attitude indicator.	than 100 feet should be corrected by using a
C) two bar widt	h on the attitude indicator.	
281.	PLT297	IRA
•	<u> </u>	d the attitude indicator has exceeded its limits, which itch attitude before starting recovery?
A) Turn indicate	or and VSI.	
B) Airspeed an	d altimeter.	
C) VSI and airs	speed to detect approaching VS	or VMO.
282.	PLT297	IRA
(Refer to figure indicated?	147.) Which is the correct sequ	ence for recovery from the unusual attitude
A) Level wings,	, add power, lower nose, descer	nd to original attitude, and heading.

B) Add power, lo	wer nose, level wings, return	to original attitude and heading.
C) Stop turn by r original attitude a		ver at the same time, lower the nose, and return to
283.	PLT337	IRA
How should you	preflight check the altimeter p	rior to an IFR flight?
•		. With current temperature and the altimeter compare with the field elevation.
	ter first with 29.92 inches Hg a correspond to the change in se	and then the current altimeter setting. The change in etting.
•	ter to the current altimeter set for acceptable accuracy.	tting. The indication should be within 75 feet of the
284.	PLT215	IRA
On what heading bank of approxim		read most accurately during a level 360° turn, with a
A) 135° through		
B) 90° and 270°.		
C) 180° and 0°.		
285.	PLT215	IRA
On the taxi checl	k, the magnetic compass show	ald
A) swing opposit	e to the direction of turn when	turning from north.
B) exhibit the sar	me number of degrees of dip	as the latitude.
C) swing freely a	ind indicate known headings.	
286.	PLT187	IRA
What does the m	niniature aircraft of the turn co	ordinator directly display?
A) Rate of roll an	nd rate of turn.	
B) Angle of bank	and rate of turn.	
C) Angle of bank	.	
287.	PLT118	IRA
What indication s	should be observed on a turn	coordinator during a left turn while taxiing?
		e left and the ball remains centered.
		e left and the ball moves to the right.
•	ature aircraft and the ball will ı	_
288.	PLT201	IRA

•	applies to instrument depart arture clearances will not be	ure procedures? e issued unless requested by the pilot.
		ument departure procedure when issued by ATC.
•	•	cepted, the pilot must possess at least a textual
289.	PLT166	IRA
inches Hg during o		tly, but not reset to the local altimeter setting of 30.57 is 650 feet and the altimeter is functioning properly, ng?
A) 715 feet.		
B) 1,300 feet.		
C) Sea level.		
290.	PLT033	IRA
	•	ted off the airway being flown, may be inadequate at case, which altitude is designated for the fix?
291.	PLT033	IRA
-	rovides acceptable navigation	onal signal coverage for the route, and meets obstacle
A) obstacle cleara	nce altitude.	
B) reception altitud	de.	
C) enroute altitude	ð.	
292.	PLT292	IRA
	arance and navigation signa on the IAP charts?	al coverage is a pilot assured with the Minimum Sector
A) 1,000 feet and a facility.	acceptable navigation signa	Il coverage within a 25 NM radius of the navigation
B) 1,000 feet withi coverage.	n a 25 NM radius of the nav	rigation facility, but not acceptable navigation signal
C) 500 feet and acfacility.	cceptable navigation signal of	coverage within a 10 NM radius of the navigation
293.	PLT146	IRA
(Refer to figure 11	3.) You receive this ATC cle	earance:

'CLEARED TO THE ABC VORT What is the recommended proced A) Teardrop only. B) Direct only.			ERO RADIAL'
C) Parallel only.			
294. PLT146		IRA	
(Refer to figure 115.) You receive 'HOLD WEST OF THE ONE FIVE VORTAC, FIVE MILE LEGS, LEF	DME FIX ON THE ZERO	NINE ZERO RAD	IAL OF ABC
You arrive at the 15 DME fix on a these instructions, and what is the A) 1; teardrop.	_	• .	ectly complies with
B) 2; direct.			
C) 1; direct.			
295. PLT146		IRA	
(Refer to figure 112.) You arrive a correctly complies with the ATC cl'HOLD WEST OF THE ONE FIVE WORTAC, FIVE MILE LEGS, LEFTA) 1; teardrop entry. B) 1; direct entry. C) 2; direct entry.	learance below, and what is /E DME FIX ON THE ZERO	s the recommende	ed entry procedure
296.	PLT433	IRA	
(Refer to the FD excerpt below, ar Determine the time to be entered			nned altitude.)
Route of flight	Figures 27, 28, 29, and 31	30,	
Flight log & MAG VAR	Figure 28		
GNATS ONE DEPARTURE and Excerpt from AFD	Figure 30		
FT	3000	6000	9000
ОТН	0507	2006+03	2215-05
A) 1 hour 10 minutes.			
B) 1 hour 15 minutes.			
C) 1 hour 20 minutes.			

297.	PLT323	IRA
What is the purpose of FD	OC NOTAMs?	
A) To provide the latest in scheduled broadcasts.	nformation on the status of navigation facilities	to all FSS facilities for
B) To issue notices for all	airports and navigation facilities in the shorte	st possible time.
,	in flight data which affect instrument approach flight restrictions prior to normal publication.	n procedure (IAP),
298.	PLT091	IRA
	e magnetic heading shown for aircraft 4 is ma the aircraft is on the 135° magnetic bearing T	
C) 6.		
299.	PLT091	IRA
(Refer to instruments in final station would be A) 175°. B) 255°. C) 355°.	gure 102.) On the basis of this information, the	e magnetic bearing TO the
300.	PLT091	IRA
(Refer to instruments in fi the station would be A) 175°. B) 255°. C) 355°.	gure 102.) On the basis of this information, the	e magnetic bearing FROM
301.	PLT091	IRA
	gure 103.) On the basis of this information, the	
302.	PLT202	IRA
As a rule of thumb, to mir consider the reading as a	nimize DME slant range error, how far from the	e facility should you be to

A) Two miles or more f	or each 1,000 feet of altitude	de above the facility.
B) One or more miles f	or each 1,000 feet of altitue	de above the facility.
C) No specific distance	e is specified since the rece	ption is line of sight.
303.	PLT322	IRA
		eet MSL in the contiguous U.S., (H) Class flight should be no farther apart than
304.	PLT090	IRA
		tivity shows a three-dot deflection at 30 NM from ximately how far from the course centerline?
305. What angular deviation CDI? A) 4°. B) 5°. C) 10°.	PLT276 n from a VOR course cente	IRA rline is represented by a full scale deflection of the
A) The first movement B) The moment the TC	-	
307.	PLT508	IRA
	ake a VOR receiver check	when the aircraft is located on the designated
·-	aded directly toward the VC of that radial with a TO inc	PR and the OBS set to 000°, the CDI should cente lication.
B) Set the OBS on the with a FROM indication	_	I must center within plus or minus 4° of that radial
C) Set the OBS on 180	o plus or minus 4°; the CD	I should center with a FROM indication.

308.	PLT363	IRA
indicate that the aircraft is A) 090 radial.	e a VOR receiver check, the CDI should be ce s on the	ntered and the OBS should
B) 180 radial.C) 360 radial.		
309.	PLT300	IRA
directly over the airborne A) Plus or minus 6° of the B) Plus or minus 4° of the	designated radial. designated radial.	s centered and the aircraft is
C) Plus 6° or minus 4° of	tne designated radial.	
A) Long range communication B) Remote communication	PLT100 is the function of the Great Falls RCO (Yellovations outlet for Great Falls Center. ns outlet for Great Falls FSS. lled by Salt Lake Center with limited service.	IRA wstone vicinity)?
311.	PLT100	IRA
(Refer to figure 91.) What from DBS VORTAC on V2A) 8,300 feet. B) 11,100 feet. C) 13,000 feet.	is the minimum crossing altitude at SABAT in 298?	ntersection when eastbound
312.	PLT292	IRA
What does the Runway V represent?	isual Range (RVR) value, depicted on certain	straight in IAP Charts,
A) The slant range distant slope.	ce the pilot can see down the runway while cr	ossing the threshold on glide
,	e a pilot should see when looking down the ru a pilot should see down the final approach ar	•
313.	PLT292	IRA
What does the absence o A) A procedure turn is not	f the procedure turn barb on the plan view on authorized.	an approach chart indicate?

B) Teardrop-type	e procedure turn is authorized	l.
C) Racetrack-typ	e procedure turn is authorize	d.
04.4	DI T400	ID A
314.	PLT102	IRA
	41 and 41A.) On which head	ing should you plan to depart CREEK intersection?
A) 010°.		
B) 040°.		
C) 350°.		
315.	PLT083	IRA
(Refer to figure 1 36 approach at <i>P</i>	•	equipment is required to be operative for RNAV RWY
A) An approved	RNAV receiver that provides	both horizontal and vertical guidance.
B) A transponde guidance.	r and an approved RNAV rec	eiver that provides both horizontal and vertical
C) Any approved	I RNAV receiver.	
316.	PLT361	IRA
		DF and the localizer of an ILS?
		ted to 35° for the localizer and up to 90° for the SDF.
•		ne runway and the course may be wider.
		ys be 5° while the SDF course will be between 6° and
12°.		
317.	PLT281	IRA
(Refer to figures EFAS?	59 and 60.) What are the ope	erating hours (local standard time) of the Houston
A) 0600 to 2200.		
B) 0700 to 2300.		
C) 1800 to 1000.		
318.	PLT281	IRA
	6.) What are the hours of operaylight savings time is in effe	eration (local time) of the ATIS for the Yakima Air ct?
A) 0500 to 2100	local.	
B) 0600 to 2200	local.	
C) 0700 to 2300	local.	
319.	PLT442	IRA

A) The approaches m		instrument approaches required for IFR currency? approved instrument ground trainer, or any	
combination of these.			
		e same category of aircraft to be flown.	
C) At least three appro	oaches must be made in th	e same category and class of aircraft to be flown.	
320.	PLT442	IRA	
To meet the minimum need	instrument experience req	uirements, within the last 6 calendar months you	
A) six instrument apprapriate category		s, and intercepting and tracking courses in the	
B) six hours in the sar	me category aircraft.		
C) six hours in the sar	me category aircraft, and at	least 3 of the 6 hours in actual IFR conditions.	
321.	PLT409	IRA	
Which flight time may	be logged as instrument tir	me when on an instrument flight plan?	
A) All of the time the a	aircraft was not controlled b	y ground references.	
B) Only the time you o	controlled the aircraft solely	by reference to flight instruments.	
C) Only the time you	were flying in IFR weather of	conditions.	
322.	PLT454	IRA	
year, and was found t approved for use in co	o comply with FAA standar ontrolled airspace under IFI	altimeter tested and inspected on January 5, of this ds. These systems must be reinspected and R by	
A) January 5, next yea			
B) January 5, 2 years			
C) January 31, 2 year	s hence.		
323.	PLT444	IRA	
14 CFR part 91 requir	r determining that the altim rements for a particular inst	eter system has been checked and found to meet rument flight?	
A) Owner.			
B) Operator.			
C) Pilot-in-command.			
324.	PLT161	IRA	
No person may opera	te an aircraft in controlled a	airspace under IFR unless he/she files a flight plan	
A) and receives a clea	arance by telephone prior to	takeoff.	
B) prior to takeoff and	requests the clearance up	on arrival on an airway.	

C) and receives	s a clearance prior to entering cont	rolled airspace.
325.	PLT430	IRA
altitude is preso A) 500 feet abo		l as a mountainous area where no other minimum aircraft under IFR below an altitude of
•	bove the highest obstacle.	
•	_	
•	PLT445 ng any flight under IFR, the pilot in accerning that flight including:	IRA command must become familiar with all available
A) all instrumer	nt approaches at the destination air	port.
B) an alternate	airport and adequate takeoff and la	anding performance at the destination airport.
C) the runway I	engths at airports of intended use,	and the aircraft's takeoff and landing data.
327.	PLT161	IRA
_	uipped with Mode C capability is re MSL. MSL.	e at or below 2,500 feet AGL, an operable coded equired in all controlled airspace at and above
328.	PLT288	IRA
Which primary : the planned ET		recast weather information at your destination for
A) Area Foreca	st.	
B) Radar Sumn	nary and Weather Depiction Charts	5.
C) Terminal Ae	rodrome Forecast (TAF).	
329.	PLT284	IRA
should a pilot e A) 265° true; 10 B) 270° true; 11	2.) What approximate wind direction xpect when planning for a flight over 200 knots; ISA +3 °C. 10 knots; ISA +5 °C. 11 tic; 100 knots; ISA -5 °C.	on, speed, and temperature (relative to ISA) er EMI at FL 270?
330.	PLT284	IRA
Which values a	re used for winds aloft forecasts?	

A) Magnetic dir	rection and knots.	
B) Magnetic dir	rection and MPH.	
C) True direction	on and knots.	
224	DI T200	ID A
331.	PLT290	IRA
	ximum forecast period for AIRMET's?	
A) Two hours.		
B) Four hours.		
C) Six hours.		
332.	PLT196	IRA
Absence of the	sky condition and visibility on an ATIS bro	padcast specifically implies that
A) the ceiling is	s more than 5,000 feet and visibility is 5 mi	les or more.
B) the sky cond	dition is clear and visibility is unrestricted.	
C) the ceiling is	s at least 3,000 feet and visibility is 5 miles	or more.
333.	PLT515	IRA
The Hazardous VORs of	s Inflight Weather Advisory Service (HIWA	S) is a continuous broadcast over selected
A) SIGMETs, C Center Weathe	CONVECTIVE SIGMETs, AIRMETs, Sever er Advisories.	re Weather Forecasts Alerts (AWW), and
B) SIGMETs, C Forecast Alerts	CONVECTIVE SIGMETS, AIRMETS, Winds (AWW).	Shear Advisories, and Severe Weather
•	Advisories, Radar Weather Reports, SIGN Center Weather Advisories (CWA).	METs, CONVECTIVE SIGMETs,
334.	PLT290	IRA
	g to depart at 1100Z on an IFR flight is par urces reflect the most accurate information eparture?	•
A) Low-Level S	Significant Weather Prognostic Chart, and	the Area Forecast.
B) The Area Fo	precast, and the Freezing Level Chart.	
C) Pilot weather	er reports (PIREP's), AIRMET's, and SIGM	ET's.
335.	PLT061	IRA
Interpret this Pl	IREP.	
MRB UA/OV M	IRB/TM1430/FL060/TPC182/SK BKN BL/\	WX RA/TB MDT.
A) Ceiling 6,00 westward.	0 feet intermittently below moderate thund	ershowers; turbulence increasing

B) FL 60,000, intermitter	ntly below clouds; moderate rain, turbulence in	creasing with the wind.
C) At 6,000 feet; betwee	n layers; moderate turbulence; moderate rain.	
336.	PLT084	IRA
(Refer to figure 12.) Wha C)?	at is the approximate wind direction and veloci	ty at 34,000 feet (see arrow
A) 290°/50 knots.		
B) 330°/50 knots.		
C) 090°/48 knots.		
337.	PLT066	IRA
(Refer to figure 9.) The S	Severe Weather Outlook Chart depicts	
A) areas forecast to have	e thunderstorms.	
B) areas of forecast, sev	ere or extreme turbulence, and areas of sever	re icing for the next 24 hours.
C) areas of general thun	derstorm activity (excluding severe) by the us	e of hatching on the chart.
338.	PLT510	IRA
Which force, in the North until parallel to the isoba	nern Hemisphere, acts at a right angle to the wrs?	vind and deflects it to the right
A) Centrifugal.		
B) Pressure gradient.		
C) Coriolis.		
339.	PLT511	IRA
Which weather phenome	enon is always associated with the passage of	a frontal system?
A) A wind change.		
B) An abrupt decrease ir	n pressure.	
C) Clouds, either ahead	or behind the front.	
340.	PLT192	IRA
Which family of clouds is	least likely to contribute to structural icing on	an aircraft?
A) Low clouds.		
B) High clouds.		
C) Clouds with extensive	e vertical development.	
341.	PLT302	IRA
A jet stream is defined a		
A) 30 knots or greater.	· ·	
,		

B) 40 knots or greater.		
C) 50 knots or greater.		
342.	PLT173	IRA
•	ed from which measurement of the	ne atmosphere?
A) Low level winds.		
B) Ambient lapse rate.		
C) Atmospheric pressure).	
343. PLT492		IRA
	tandard temperature is the foreca rom the Winds and Temperature	st temperature at 9,000 feet, as indicated Aloft Forecast?
FT 6000		9000
0737-04		1043-10
A) 3 °C.		
B) 10 °C.		
C) 7 °C.		
344.	PLT301	IRA
A common type of groun	d or surface based temperature in	nversion is that which is produced by
A) warm air being lifted r	apidly aloft in the vicinity of moun	tainous terrain.
B) the movement of cold	er air over warm air, or the mover	ment of warm air under cold air.
C) ground radiation on cl	lear, cool nights when the wind is	light.
345.	PLT263	IRA
	g lenticular altocumulus clouds is	
A) a jet stream.		
B) very strong turbulence	9.	
C) heavy icing conditions	S.	
0.40	DI TOOO	ID A
346.	PLT263	IRA
A) an inversion.	s, in mountainous areas, indicate	
B) unstable air.		
C) turbulence.		
o, tarbaronoo.		
347.	PLT263	IRA
If you fly into severe turb	ulence, which flight condition sho	uld you attempt to maintain?

A) Constant airs	peed (VA).	
B) Level flight at	titude.	
C) Constant altit	ude and constant airspeed.	
348.	PLT120	IRA
Which procedure thunderstorm ac		uld unintentionally penetrate embedded
A) Reverse aircr	aft heading or proceed toward a	an area of known VFR conditions.
B) Reduce airsp	eed to maneuvering speed and	maintain a constant altitude.
C) Set power for flight attitude.	recommended turbulence pend	etration airspeed and attempt to maintain a level
349.	PLT203	IRA
The average he	ght of the troposphere in the mi	ddle latitudes is
A) 20,000 feet.		
B) 25,000 feet.		
C) 37,000 feet.		
350.	PLT516	IRA
What causes su	rface winds to flow across the is	sobars at an angle rather than parallel to the isobars?
A) Coriolis force		
B) Surface friction	on.	
C) The greater of	lensity of the air at the surface.	
351.	PLT518	IRA
What effect will airspeed?	a change in wind direction have	upon maintaining a 3° glide slope at a constant true
A) When ground	speed decreases, rate of desc	ent must increase.
B) When ground	speed increases, rate of desce	ent must increase.
C) Rate of desc	ent must be constant to remain	on the glide slope.
352.	PLT518	IRA
While flying a 3° pilot expect?	glide slope, a constant tailwind	shears to a calm wind. Which conditions should the
A) Airspeed and	pitch attitude decrease and the	re is a tendency to go below glide slope.
B) Airspeed and	pitch attitude increase and then	e is a tendency to go below glide slope.
C) Airspeed and	pitch attitude increase and the	re is a tendency to go above glide slope.
353.	PLT518	IRA

<u> </u>	intain IAS, and glide slope is being flown. Whind shears to be a constant tailwind?	at characteristics should be
A) PITCH ATTITUDE: Inc	creases; REQUIRED THRUST: Increased, the Increases, then decreases to approach speed	
•	ecreases; REQUIRED THRUST: Increased, the Decreases, then increases to approach spee	
•	creases; REQUIRED THRUST: Reduced, the Decreases, then increases to approach spec	
354.	PLT170	IRA
When installed with the II A) in lieu of the OM.	LS and specified in the approach procedures,	DME may be used
B) in lieu of visibility requ C) to determine distance		
355.	PLT033	IRA
	n an off airway radio facility may be inadequat case, which altitude is designated for the fix?	te to identify the fix at the
356.	PLT202	IRA
` '	guide in making range corrections, how man or each one half mile deviation from the desir	
357.	PLT141	IRA
(Refer to figure 138.) Wh runway and the threshold	at night operations, if any, are authorized bet lights?	ween the approach end of the
A) No aircraft operations	are permitted short of the threshold lights.	
	re permitted in the area short of the threshold ations are permitted, providing the takeoff ope	
358.	PLT161	IRA
	r fails during flight within Class D airspace.	

A) The pilot should	d immediately request clearance	ce to depart the Class D airspace.
B) No deviation is	required because a transpond	er is not required in Class D airspace.
C) Pilot must imme	ediately request priority handlir	ng to proceed to destination.
359.	PLT296	IRA
		sing an IAP having only circling minimums?
A) A straight in lan circle to land on th	•	e pilot may continue to the runway at MDA and then
B) The pilot may la	and straight in if the runway is t	the active runway and he has been cleared to land.
,	nding may be made if the pilot lor landing, and has been clear	nas the runway in sight in sufficient time to make a ed to land.
360.	PLT170	IRA
Where a holding p executed within	attern is specified in lieu of a p	rocedure turn, the holding maneuver must be
A) the 1-minute tin	ne limitation or DME distance a	as specified in the profile view.
B) a radius of 5 mi	les from the holding fix.	
C) 10 knots of the	specified holding speed.	
361.	PLT170	IRA
What conditions a	re necessary before ATC can a	authorize a visual approach?
A) You must have	the preceding aircraft in sight,	and be able to remain in VFR weather conditions.
B) You must have and land in IFR co		eding aircraft in sight, and be able to proceed to,
C) You must have to the airport in VF		ling aircraft to be followed, and be able to proceed
362.	PLT170	IRA
When is radar ser	vice terminated during a visual	approach?
A) Automatically w	hen ATC instructs the pilot to	contact the tower.
B) Immediately up	on acceptance of the approach	າ by the pilot.
C) When ATC adv	rises, 'Radar service terminated	d; resume own navigation.'
363.	PLT187	IRA
During standard-ra	ate turns, which instrument is c	onsidered 'primary' for bank?
A) Attitude indicate	or.	
B) Heading indicat	tor.	
C) Turn and slip in	dicator or turn coordinator.	

364.	PLT041	IRA
Altimeter setting indicates	is the value to which the sca	le of the pressure altimeter is set so the altimeter
A) pressure altitu	de at sea level.	
B) true altitude at	field elevation.	
C) pressure altitu	de at field elevation.	
365.	PLT118	IRA
` •	es 110°. What action is requi	re indicating compass is 120° and the magnetic red to correctly align the heading indicator with the
A) Select the free	e gyro mode and depress the	counter clockwise heading drive button.
B) Select the slav	ved gyro mode and depress	the clockwise heading drive button.
C) Select the free	e gyro mode and depress the	clockwise heading drive button.
366.	PLT052	IRA
(Refer to figure 7' A) 6,500 feet MS B) 1,400 feet MS C) 10,200 feet MS	L. L.	e should you cross the STAKK intersection?
367.	PLT012	IRA
_	27 and 28.) What CAS must side air temperature is -5 °C′	be used to maintain the filed TAS at the flight planned
368.	PLT053	IRA
(Refer to figure 2 A) T. B) U. C) A.	7.) What aircraft equipment o	code should be entered in block 3 of the flight plan?
369. From what source A) Notices to Airr B) FAA AFSS/FS C) Airport/Facility	SS.	IRA DC NOTAM's?

370.	PLT170	IRA
becomes evider	nt that you will pass through the	ourse, but have not been cleared for the approach. It localizer course. What action should be taken?
A) Turn outbour	nd and make a procedure turn.	
B) Continue on	the assigned heading and quer	y ATC.
C) Start a turn t	o the inbound heading and inqu	uire if you are cleared for the approach.
371.	PLT277	IRA
	ctored, if crossing the ILS final a not been issued, what action sh	approach course becomes imminent and an approach ould be taken by the pilot?
A) Turn outbour	nd on the final approach course	e, execute a procedure turn, and inform ATC.
•	d and execute the missed appronot been received.	pach procedure at the outer marker if approach
C) Maintain the	last assigned heading and que	ry ATC.
372.	PLT080	IRA
Which is true re	garding STAR's?	
A) STAR's are u	used to separate IFR and VFR	traffic.
B) STAR's are	established to simplify clearance	e delivery procedures.
C) STAR's are	used at certain airports to decre	ease traffic congestion.
373.	PLT202	IRA
MOURN), a left referenced relat	crosswind is encountered. Who	ne instrument departure procedure (GNATS1. ere should the bearing pointer of an RMI be ate for wind drift and maintain the 15 DME arc?
•	wing-tip reference point.	
	eft wing-tip reference point.	
O) Definite the te	ert wing-tip reference point.	
374.	PLT083	IRA
•	73.) Which sequence of marke on the ILS RWY 6 approach pr	r beacon indicator lights, and their respective codes, ocedure to the MAP?
A) Blue - alterna	ate dots and dashes; amber - d	ashes.
B) Amber - alter	rnate dots and dashes; blue - d	ashes.
C) Blue - dashe	s; amber - alternate dots and d	ashes.
375.	PLT090	IRA
	34.) At which altitude and locat R/DME to be unreliable?	ion on V573 would you expect the navigational signa

A) 3,000 feet at AP	INE intersection.	
B) 2,600 feet at MA	RKI intersection.	
C) 4,000 feet at EL	MMO intersection.	
376.	PLT090	IRA
` •		lld be an acceptable accuracy check of both VOR he VOR receiver checkpoint at the Helena Regional
A) A.		
B) B.		
C) C.		
377.	PLT100	IRA
(Refer to figure 87.) FSS in the Lake Ch	•	ies, other than 121.5, can be used to receive De Ridder
A) 122.1, 126.4.		
B) 123.6, 122.65.		
C) 122.2, 122.3.		
378.	PLT083	IRA
` •	um safe sector altitude	plan view of the ILS RWY 35R procedure at DEN e within 25 NM of
B) Gandi outer mar		
,	n International Airport	
270	PLT083	IRA
Logan) approach p) How many initial app	roach fixes serve the VOR/DME RWY 27R (Billings
A) Three.		
B) Four.		
C) Five.		
380.	PLT083	IRA
	A.) Under which cond 33 approach be initiate	tion should the missed approach procedure for the VOR/d?
A) Immediately upo	on reaching the 5.0 DM	IE from the FAF.
B) When passage o	of the MAP way point i	s shown on the ambiguity indicator.
C) After the MDA is	reached and 1.8 DMF	fix from the MAP way point

381.	PLT083	IRA
	•	nber of way points required for the complete RNAV and missed approach procedure?
A) One way point		
B) Two way point	S.	
C) Three way poi	nts.	
382.	PLT102	IRA
(Refer to figures 3 A) At the TXK VC	,	es the BUJ.BUJ3 arrival begin?
B) At BOGAR into	ersection.	
C) At the BUJ VC	ORTAC.	
383.	PLT445	IRA
	aeronautical information, when (e.g., runway closures, runway	n used collectively, provide the latest status of lighting, snow conditions)?
A) Aeronautical Ir (NOTAM's).	nformation Manual, aeronautica	al charts, and Distant (D) Notice to Airmen
B) Airport Facility	Directory, FDC NOTAM's, and	Local (L) NOTAM's.
C) Airport Facility	Directory, Distant (D) NOTAM	s, and Local (L) NOTAM's.
384.	PLT455	IRA
The most current be obtained from	en route and destination flight	information for planning an instrument flight should
A) the ATIS broad	dcast.	
B) the FSS.C) Notices to Airr	nen (Class II).	
- ,	(0.000)	
385.	PLT354	IRA
•	etermine if a Global Positioning nd IFR approaches?	g System (GPS) installed in an aircraft is approved
A) Flight manual	supplement.	
B) GPS operator'	s manual.	
C) Aircraft owner	's handbook.	
386.	PLT281	IRA
(Refer to figure 29 Eugene/Mahlon S	•	ation (local standard time) of the control tower at

A) 0800 2300.		
B) 0600 0000.		
C) 0700 0100.		
387.	PLT080	IRA
(Refer to figure 7 International Airp A) One.		ach procedures are published for Bradley
B) Three.		
C) Four.		
388.	PLT281	IRA
In which publicat	tion can the VOR receiver grou	nd checkpoint(s) for a particular airport be found?
A) Airman's Info	rmation Manual.	
B) En Route Lov	v Altitude Chart.	
C) Airport/Facilit	y Directory.	
389.	PLT442	IRA
	ted pilot, who has not logged a and under IFR, unless the pilot	ny instrument time in 1 year or more, cannot serve
	e required 6 hours and six appro- -designated examiner.	paches, followed by an instrument proficiency check
• •	strument proficiency check in the nstrument instructor, or FAA ins	e category of aircraft involved, given by an approved spector.
•	•	e category of aircraft involved, followed by 6 hours s in the category of aircraft involved.
390.	PLT379	IRA
When a pilot eleat the alternate?	•	lternate airport, which minimums apply for landing
A) 600 1 if the ai	rport has an ILS.	
B) Ceiling 200 fe	et above the published minimu	m; visibility 2 miles.
C) The landing n	ninimums for the approach to b	e used.
391.	PLT455	IRA
When is an IFR	flight plan required?	
A) When less tha airspace.	an VFR conditions exist in eithe	r Class E or Class G airspace and in Class A

B) In all Class E zone airspace.	airspace when conditions are	below VFR, in Class A airspace, and in defense
C) In Class E air	space when IMC exists or in C	lass A airspace.
392.	PLT413	IRA
landing has no ir	nstrument approach prescribed	you determine that the first airport of intended I in 14 CFR part 97. The weather forecast for one ted time of arrival is 3000' scattered with 5 miles
To meet the fuel landing,	requirements for this flight, yo	u must be able to fly to the first airport of intended
A) and then fly for	or 45 minutes at normal cruisin	g speed.
B) then to the alt	ternate airport, and then for 45	minutes at normal cruising speed.
C) then to the alt	ternate airport, and then for 30	minutes at normal cruising speed.
393.	PLT161	IRA
When are you re	equired to have an instrument r	ating for flight in VMC?
A) Flight through	an MOA.	
B) Flight into an	ADIZ.	
C) Flight into cla	ss A airspace.	
394.	PLT405	IRA
If the aircraft's tra	ansponder fails during flight wi	thin Class B airspace,
A) the pilot shou	ld immediately request clearan	ce to depart the Class B airspace.
•	horize deviation from the trans mate destination.	ponder requirement to allow aircraft to continue to
C) aircraft must i	immediately descend below 1,2	200 feet AGL and proceed to destination.
395.	PLT322	IRA
What minimum r	navigation equipment is require	d for IFR flight?
A) VOR/LOC red	ceiver, transponder, and DME.	
B) VOR receiver reporting.	and, if in ARTS III environmer	nt, a coded transponder equipped for altitude
C) Navigation ed	quipment appropriate to the gro	und facilities to be used.
396.	PLT202	IRA
Where is DME re	equired under IFR?	
A) At or above 2 B) In positive cor	4,000 feet MSL if VOR navigat ntrol airspace.	ional equipment is required.

C) Above 18,000	0 feet MSL.	
397.	PLT366	IRA
Which publication responsibilities for A) FAR Part 61. B) FAR Part 91. C) NTSB Part 83	or pilots?	red for aircraft accident and incident reporting
398.	PLT023	IRA
A) When the atn B) When standa	ndition will pressure altitude be nospheric pressure is 29.92 industrial and atmospheric conditions existed altitude is equal to the pres	t.
399.	PLT105	IRA
Which is true regweather condition	_	ather-avoidance radar for the recognition of certain
A) The radarsco	pe provides no assurance of a	voiding instrument weather conditions.
C) The clear are	•	g between and just clear of the most intense echoes. icates that visual sighting of storms can be
400.	PLT297	IRA
	g from an unusual flight attitude de is reached when the	e without the aid of the attitude indicator, approximate
A) airspeed and	altimeter stop their movement	and the VSI reverses its trend.
B) airspeed arrivits movement.	es at cruising speed, the altim	eter reverses its trend, and the vertical speed stops
C) altimeter and	vertical speed reverse their tre	end and the airspeed stops its movement.
401.	PLT215	IRA
On what headin bank of approxir	-	ead most accurately during a level 360° turn, with a
A) 135° through	225°.	
B) 90° and 270°		
C) 180° and 0°.		
402.	PLT166	IRA

What is the procedure for higher on a direct flight off	setting the altimeter when assigned an IFR a f airways?	altitude of 18,000 feet or
	92 inches Hg before takeoff.	
•	current altimeter setting until reaching the as	ssigned altitude, then set to
C) Set the altimeter to the 18,000 feet.	current reported setting for climb-out and 29	.92 inches Hg upon reaching
403.	PLT146	IRA
(Refer to figure 117.) You	receive this ATC clearance:	
CLEARED TO THE ABOBEARING FROM THE NO	C NDB. HOLD SOUTHWEST ON THE TWO	THREE ZERO DEGREE
At station passage you no enter the holding pattern?	ote the indications in figure 117. What is the re	ecommended procedure to
A) Direct only.		
B) Teardrop only.		
C) Parallel only.		
404.	PLT091	IRA
` ,	e magnetic heading shown for aircraft 8 is ma the aircraft is on the 315° magnetic bearing T	
405.	PLT300	IRA
What is the meaning of a seconds from a VORTAC	single coded identification received only once?	e approximately every 30
A) The VOR and DME cor	mponents are operative.	
B) VOR and DME compor	nents are both operative, but voice identificati	ion is out of service.
C) The DME component is	s operative and the VOR component is inope	rative.
406.	PLT361	IRA
What is a difference betwe	een an SDF and an LDA facility?	
A) The SDF course width	is either 6° or 12° while the LDA course width	n is approximately 5°.
B) The SDF course has no	o glide slope guidance while the LDA does.	
C) The SDF has no marke	er beacons while the LDA has at least an OM	
407.	PLT448	IRA

What limitation is imposed on a newly certificated commercial airplane pilot if that person does not hold an instrument pilot rating?

- A) The carrying of passengers or property for hire on cross-country flights at night is limited to a radius of 50 nautical miles (NM).
- B) The carrying of passengers for hire on cross-country flights is limited to 50 NM for night flights, but not limited for day flights.
- C) The carrying of passengers for hire on cross-country flights is limited to 50 NM and the carrying of passengers for hire at night is prohibited.

408. PLT508 IRA

Which data must be recorded in the aircraft log or other appropriate log by a pilot making a VOR operational check for IFR operations?

- A) VOR name or identification, date of check, amount of bearing error, and signature.
- B) Place of operational check, amount of bearing error, date of check, and signature.
- C) Date of check, VOR name or identification, place of operational check, and amount of bearing error.

409. PLT353 IRA

(Refer to figure 8.) What weather conditions are depicted in the area indicated by arrow A on the Radar Summary Chart?

- A) Moderate to strong echoes; echo tops 30,000 feet MSL; line movement toward the northwest.
- B) Weak to moderate echoes; average echo bases 30,000 feet MSL; cell movement toward the southeast; rain showers with thunder.
- C) Strong to very strong echoes; echo tops 30,000 feet MSL; thunderstorms and rain showers.

410. PLT353 IRA

For most effective use of the Radar Summary Chart during preflight planning, a pilot should

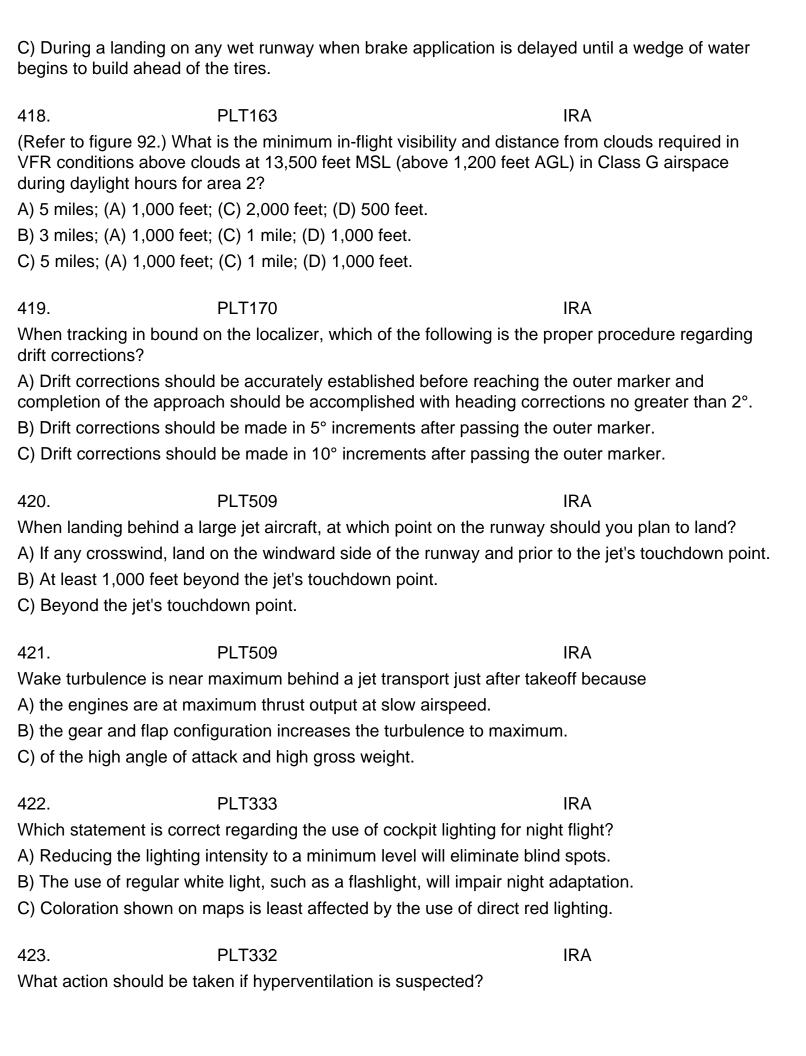
- A) consult the chart to determine more accurate measurements of freezing levels, cloud cover, and wind conditions between reporting stations.
- B) compare it with the charts, reports, and forecasts of a three-dimensional picture of clouds and precipitation.
- C) utilize the chart as the only source of information regarding storms and hazardous conditions existing between reporting stations.

411. PLT518 IRA

Which is a characteristic of low level wind shear as it relates to frontal activity?

- A) With a warm front, the most critical period is before the front passes the airport.
- B) With a cold front, the most critical period is just before the front passes the airport.
- C) Turbulence will always exist in wind shear conditions.

412.	PLT242	IRA
What is the rel turn?	ationship between centrifugal force	e and the horizontal lift component in a coordinated
A) Horizontal li	ft exceeds centrifugal force.	
B) Horizontal li	ft and centrifugal force are equal.	
C) Centrifugal	force exceeds horizontal lift.	
413.	PLT248	IRA
What force cau	uses an airplane to turn?	
A) Rudder pres	ssure or force around the vertical a	axis.
B) Vertical lift of	component.	
C) Horizontal li	ift component.	
414.	PLT186	IRA
Conditions that	t determine the pitch attitude requi	red to maintain level flight are
A) flightpath, w	rind velocity, and angle of attack.	
B) airspeed, ai	r density, wing design, and angle o	of attack.
C) relative wind	d, pressure altitude, and vertical lif	t component.
415.	PLT434	IRA
	er and an FSS are located on the ose periods when the tower is close	same airport, which function is provided by the ed?
A) Automatic o	losing of the IFR flight plan.	
B) Approach c	ontrol services.	
C) Airport Advi	sory Service.	
416.	PLT012	IRA
	ir temperature increases during a le airspeed will	flight at constant power and at a constant indicated
A) decrease ar	nd true altitude will increase.	
B) increase an	d true altitude will decrease.	
C) increase an	d true altitude will increase.	
417.	PLT144	IRA
Under which c	onditions is hydroplaning most like	ly to occur?
•	er is used for directional control ins n the landing roll on a wet runway.	stead of allowing the nosewheel to contact the
-	,	h speed, and smooth runway texture.
, 5	5 ,	



A) Breathe at a s	lower rate by taking very dee	p breaths.
B) Consciously b	reathe at a slower rate than i	normal.
C) Consciously fo	orce yourself to take deep bro	eaths and breathe at a faster rate than normal.
424.	PLT334	IRA
How can an instr	ument pilot best overcome sp	patial disorientation?
A) Use a very rap	oid cross check.	
B) Properly interp	oret the flight instruments and	dact accordingly.
C) Avoid banking	in excess of 30°.	
425.	PLT194	IRA
Which technique flight?	should a pilot use to scan fo	r traffic to the right and left during straight and level
A) Systematically	focus on different segments	of the sky for short intervals.
B) Concentrate o	n relative movement detecte	d in the peripheral vision area.
C) Continuous sv	veeping of the windshield fro	m right to left.
426.	PLT370	IRA
What is meant who wheat whe will we wish to the weet or which will be with the weet of the		ts you to 'resume own navigation' after you have been
A) You should ma	aintain the airway by use of y	our navigation equipment.
B) Radar service	is terminated.	
C) You are still in	radar contact, but must mak	e position reports.
427.	PLT083	IRA
7,000 feet. Appro	•	the CREAK intersection via the BTG 054° radial at ared for the LOC/DME RWY 21 approach to PDX. begin prior to
A) intercepting th	e glide slope.	
B) completion of	the procedure turn, and esta	blished on the localizer.
C) CREAK outbo	und.	
428.	PLT170	IRA
If during an ILS a DH, the pilot is	pproach in IFR conditions, th	ne approach lights are not visible upon arrival at the
A) required to im	mediately execute the misse	d approach procedure.
B) permitted to co	ontinue the approach and de	scend to the localizer MDA.
C) permitted to co	ontinue the approach to the a	approach threshold of the ILS runway.

429.	PLT292	IRA
Prior to conductin	g 'timed approaches from a ho	Iding fix,' which one of the following is required?
A) The time requireliable means.	red to fly from the primary facili	ity to the field boundary must be determined by a
B) The airport who	ere the approach is to be cond	ucted must have a control tower in operation.
C) The pilot must holding fix.	have established two way com	nmunications with the tower before departing the
430.	PLT185	IRA
When airspeed is	increased in a turn, what must	be done to maintain a constant altitude?
A) Decrease the a	angle of bank.	
B) Increase the ar	ngle of bank and/or decrease t	ne angle of attack.
C) Decrease the a	angle of attack.	
431.	PLT185	IRA
What is the initial	primary bank instrument when	establishing a level standard-rate turn?
A) Turn coordinat	or.	
B) Heading indica	tor.	
C) Attitude indicat	or.	
432.	PLT185	IRA
To level off from a altitude by approx	_	ending airspeed, the pilot should lead the desired
A) 20 feet.		
B) 50 feet.		
C) 60 feet.		
433.	PLT125	IRA
To enter a consta pilot should	nt airspeed descent from level	cruising flight, and maintain cruising airspeed, the
· ·	pitch attitude to a descent usin tain the cruising airspeed.	g the attitude indicator as a reference, then adjust
B) first reduce pov specific rate on th		the attitude indicator as a reference to establish a
C) simultaneously maintain the cruis		pitch using the attitude indicator as a reference to
434.	PLT297	IRA

(Refer to figure 149 instruments has ma		ude? One system which transmits information to the
A) Level turn to the	right.	
B) Level turn to the	left.	
C) Straight and leve	el flight.	
435.	PLT186	IRA
Which instruments a in a level turn?	are considered to be su	ipporting instruments for pitch during change of airspeed
A) Airspeed indicate	or and VSI.	
B) Altimeter and atti	tude indicator.	
C) Attitude indicator	and VSI.	
436.	PLT336	IRA
Which instrument prolevel flight?	rovides the most pertind	ent information (primary) for pitch control in straight-and-
A) Attitude indicator		
B) Airspeed indicate	or.	
C) Altimeter.		
437.	PLT186	IRA
Which instruments sassigned altitude?	should be used to make	e a pitch correction when you have deviated from your
A) Altimeter and VS	l.	
B) Manifold pressure	e gauge and VSI.	
C) Attitude indicator	, altimeter, and VSI.	
438.	PLT415	IRA
The glide slope and initially?	localizer are centered,	but the airspeed is too fast. Which should be adjusted
A) Pitch and power.		
B) Power only.		
C) Pitch only.		
439.	PLT297	IRA
Which is the correct flight attitude?	sequence for recovery	from a spiraling, nose low, increasing airspeed, unusual
A) Increase pitch at	titude, reduce power, a	nd level wings.
B) Reduce power, c	correct the bank attitude	e, and raise the nose to a level attitude.

C) Reduce pov	ver, raise the nose to level attitude	, and correct the bank attitude.
440.	PLT118	IRA
see when rollin A) A straight-ar B) A nose high	ng out from a 180° skidding turn to and-level coordinated flight indication indication relative to level flight.	
C) The miniatu	re aircraft shows a turn in the dire	ction opposite the skid.
441.	PLT445	IRA
What pretakeon IFR flight?	ff check should be made of a vacu	num driven heading indicator in preparation for an
A) After 5 minu alignment after	_	etic heading of the aircraft and check for proper
B) After 5 minuthe aircraft.	ites, check that the heading indica	tor card aligns itself with the magnetic heading of
C) Determine to operation.	hat the heading indicator does not	precess more than 2° in 5 minutes of ground
442.	PLT215	IRA
	e the indication on the magnetic co sterly heading in the Northern Her	ompass as you roll into a standard-rate turn to the misphere?
	ss will initially show a turn in the op nind the actual heading of the airc	oposite direction, then turn to a northerly indication raft.
B) The compassactual heading		ng for a short time, then gradually catch up to the
C) The compassmooth.	ss will indicate the approximate co	rrect magnetic heading if the roll into the turn is
443.	PLT187	IRA
What indication	ns are displayed by the miniature a	aircraft of a turn coordinator?
A) Rate of roll a	and rate of turn.	
B) Direct indica	ation of bank angle and pitch attitu	de.
C) Indirect indic	cation of bank angle and pitch attit	:ude.
444.	PLT086	IRA
•	e 144.) What changes in control dis d standard-rate turn?	splacement should be made so that '2' would result
A) Increase left	t rudder and increase rate of turn.	
R) Increase left	trudder and decrease rate of turn	

C) Decrease left re	udder and decrease angle of	bank.
445.	PLT086	IRA
	rate turn is maintained, how road a heading of 180°?	nuch time would be required to turn clockwise from a
B) 1 minute.		
C) 1 minute 30 se	conds.	
446.	PLT445	IRA
	ht instruments while taxiing ant of 100 feet per minute. In t	and find that the vertical speed indicator (VSI) his case, you
A) must return to t repairman.	he parking area and have the	e instrument corrected by an authorized instrument
B) may take off an	d use 100 feet descent as th	e zero indication.
C) may not take o	ff until the instrument is corre	ected by either the pilot or a mechanic.
447.	PLT044	IRA
What does the AT	C term 'Radar Contact' signif	y?
A) Your aircraft ha with this radar faci	-	I receive separation from all aircraft while in contact
•	s been identified on the rada cation is terminated.	r display and radar flight following will be provided
C) You will be give contact has been		sed the service has been terminated or that radar
448.	PLT012	IRA
if the outside air te	emperature is +05 °C?	o maintain the filed TAS at the flight planned altitude
A) 129 KCAS.		
B) 133 KCAS.		
C) 139 KCAS.		
449.	PLT133	IRA
	•	ent restrictions and aircraft are within 1,000 feet of climb and descend at a rate of between
A) 500 feet per mi	nute and 1,000 feet per minu	te.
B) 500 feet per mi	nute and 1,500 feet per minu	te.
C) 1000 feet per n	ninute and 2,000 feet per min	ute.

450.	PLT146	IRA
	113.) You receive this ATC cle	
		WEST ON THE TWO SEVEN ZERO RADIAL'
vvnat is the reco A) Parallel only.	mmended procedure to enter	the holding pattern?
B) Direct only.		
C) Teardrop only	у.	
451.	PLT146	IRA
· -	113.) You receive this ATC cle	
'CLEARED TO TURNS'	THE XYZ VORTAC. HOLD I	NORTH ON THE THREE SIX ZERO RADIAL, LEFT
	emmended procedure to enter	the holding pattern.
A) Parallel only.		
B) Direct only.		
C) Teardrop only	y.	
452.	PLT146	IRA
	117.) You receive this ATC cle	
) THE XYZ NDB. HOLD NOR M THE NDB. LEFT TURNS'	THEAST ON THE ZERO FOUR ZERO DEGREE
At station passa enter the holding	~ .	figure 117. What is the recommended procedure to
A) Direct only.		
B) Teardrop only	y.	
C) Parallel only.		
453.	PLT146	IRA
•	114.) A pilot receives this ATC	
		WEST ON THE TWO SEVEN ZERO RADIAL'
	mmended procedure to enter	the holding pattern?
A) Parallel or tea	·	
B) Parallel only.		
C) Direct only.		
454.	PLT146	IRA
	er airspace protection while in et for civil turbojet aircraft?	a holding pattern, what is the maximum airspeed

A) 230 knots.		
B) 265 knots.		
C) 200 knots.		
455.	PLT146	IRA
correctly complies with the	he ATC clearance b E ONE FIVE DME F	DME fix on a heading of 350°. Which holding pattern elow, and what is the recommended entry procedure? IX ON THE TWO SIX EIGHT RADIAL OF THE ABC '
A) 1; teardrop entry.		
B) 2; direct entry.		
C) 1; direct entry.		
456.	PLT146	IRA
What timing procedure s	should be used whe	n performing a holding pattern at a VOR?
A) Timing for the outbou	nd leg begins over	or abeam the VOR, whichever occurs later.
B) Timing for the inboun	d leg begins when i	nitiating the turn inbound.
C) Adjustments in timing	of each pattern sho	ould be made on the inbound leg.
457.	PLT146	IRA
At what point should the	timing begin for the	first leg outbound in a nonstandard holding pattern?
A) Abeam the holding fix	k, or wings level, wh	ichever occurs last.
B) When the wings are le	evel at the completion	on of the 180° turn outbound.
C) When over or abeam	the holding fix, which	chever occurs later.
458.	PLT012	IRA
(Refer to FD excerpt bel the time to be entered in		nd entry closest to the flight planned altitude.) Determine nt from GJT to DRO.
Route of flight	Figure 21	
Flight log & MAG VAR	Figure 22	
En route chart	Figure 24	
FT	12,000	18,000
FNM	2408-05	2208-21
A) 1 hour 08 minutes.		
B) 1 hour 03 minutes.		
C) 58 minutes.		
459.	PLT012	IRA

`	1.) Southbound on V257, at w N VORTAC at 0850 and over I	nat time should you arrive at DBS VORTAC if you DIVID intersection at 0854?
400	DI Taga	ID A
	PLT322 purposes, what are the computed define a direct route not on estimate the computer of t	IRA ulsory reporting points when using VOR/DME or stablished airways?
	to define the route.	·
B) There are no o	compulsory reporting points un over points.	less advised by ATC.
461.	PLT224	IRA
When may a pilo	t file a composite flight plan?	
A) When request	ed or advised by ATC.	
B) Any time a poi	tion of the flight will be VFR.	
C) Any time a lan	ding is planned at an intermed	liate airport.
462.	PLT224	IRA
•	.) Which equipment determine ne flight plan form?	s the code to be entered in block 3 as a suffix to
A) DME, ADF, ar	nd airborne radar.	
B) DME, transpor	nder, and ADF.	
C) DME, transpo	nder, and RNAV.	
463.	PLT202	IRA
Which distance is	s displayed by the DME indicat	or?
A) Slant range di	stance in NM.	
B) Slant range di	stance in SM.	
C) Line of sight d	irect distance from aircraft to \	ORTAC in SM.
464.	PLT202	IRA
Where does the I and displayed dis		st error between ground distance to the VORTAC
A) High altitudes	far from the VORTAC.	
B) High altitudes	close to the VORTAC.	
C) Low altitudes	far from the VORTAC.	

465.	PLT091	IRA
(Refer to figures 60A a and the localizer cours		relative to the PLATS intersection, glide slope,
	the glide slope, and right of th	e localizer course.
,	S, above the glide slope, and l	
C) Past PLATS, above	the glide slope, and right of the	e localizer course.
466.	PLT357	IRA
What is the difference	between a Localizer Type Dire	ectional Aid (LDA) and the ILS localizer?
A) The LDA is not aligr	ned with the runway.	
,	urse width of 6° or 12°, while a	-
C) The LDA signal is g	enerated from a VOR-type fac	ility and has no glide slope.
467.	PLT507	IRA
Which of the following	should be considered as static	on passage when using VOR?
-		CDI as the station is approached.
B) The first full scale de		
C) The first complete re	eversal of the TO FROM indic	ator.
468.	PLT090	IRA
(Refer to figure 24.) At intersection southboun		ngeover be made from JNC VOR to MANCA
A) 36 NM south of JNC) .	
B) 52 NM south of JNC) .	
C) 74 NM south of JNC	.	
469.	PLT300	IRA
How should the pilot mecheckpoint on the airpo		en the aircraft is located on the designated
A) Set the OBS on 180	0° plus or minus 4°; the CDI sh	ould center with a FROM indication.
B) Set the OBS on the with a FROM indication	•	ust center within plus or minus 4° of that radial
-	aded directly toward the VOR of that radial with a TO indicate	and the OBS set to 000°, the CDI should center tion.
470.	PLT100	IRA
	e are depicted on the En Rou	
• •	•	

A) Limits of controlled airspace, military training routes and special use airspace.

B) Class A, special use airspace, Class D and Class E.

C) Special use	airspace, Class E, Class D, Cla	ss A, Class B and Class C.
A) The back co	PLT100 87.) Why is the localizer back ourse is not aligned with a runwa urse has a glide slope. urse has an additional navigatio	
A) A published B) A published	LDA localizer course. SDF localizer course.	IRA calizer course symbol at Jefferson County Airport? an additional navigation function.
to JAC VOR/DN A) 35 NM from B) 60 NM from	ME on V520? DBS VORTAC.	IRA VOR frequencies when en route from DBS VORTAC
navigation box (A) VOR with TAB) Availability o	for PRB VORTAC? ACAN compatible DME.	IRA by the inverse 'H' symbol in the radio aids to
Denver Center. A) 133.425 MHz	You should attempt to reestable. and receive on 108.4 MHz.	IRA Note: V187, (vicinity of Cortez VOR) contact is lost with ish contact with Denver Center on:
	VORTAC to ABI VORTAC?	IRA at is the highest useable altitude for an IFR flight on

B) 18,000 feet MSL.C) 6,500 feet MSL.		
477.	PLT100	IRA
•	,	ourposes, what would be the highest MEA on V187 and Durango, La Plata Co. Airport?
478.	PLT100	IRA
(Refer to figure 24.) A) 10,900 feet MSL. B) 12,000 feet MSL. C) 13,700 feet MSL.		ween JNC and MANCA intersection on V187?
479.	PLT083	IRA
runway environment A) After descending B) After descent to 1	t (Paso Robles Municip to 1,440 feet MSL. 1,440 feet or reaching t	should a missed approach procedure be initiated if the pal Airport) is not in sight? The 1 NM DME, whichever occurs first. It approach point and determine the visibility is less than 1
480.	PLT083	IRA
	t Bradley International	ding environment lighting is available for approach and ?
481.	PLT083	IRA
the ILS RWY 6 appropries to be made A) DH 424/24.	oach is inoperative. Ure to the DH and visibility	Bradley Approach Control advises you that the MM on or
B) No adjustments a C) DH 374/24.	re requirea.	

482. (Refer to figure 73.) What A) 174 feet MSL. B) 200 feet AGL. C) 270 feet MSL.	PLT083 t is the touchdown zone elevation for RWY 6?	IRA)
483. (Refer to figure 129.) What procedure turn at LABER A) 4 DME miles from LAE B) 10 DME miles from the C) 12 DME miles from LIT	BER. e MAP.	IRA turn in bound while in the
484. (Refer to figure 121.) Dur slope interception is A) 2,365 feet MSL. B) 2,500 feet MSL. C) 3,000 feet MSL.	PLT083 ing the ILS RWY 30R procedure at DSM, the	IRA minimum altitude for glide
485. (Refer to figure 49.) What A) 7,000 feet. B) 7,900 feet. C) 5,957 feet.	PLT083 t is the usable runway length for landing on ru	IRA inway 21 at PDX?
486. (Refer to figures 41 and 4 Approach Control? (ACTOA) 119.05. B) 124.15. C) 125.8.	PLT102 I1A.) Which frequency would you anticipate u ON TWO ARRIVAL).	IRA sing to contact Regional
•		•

488.	PLT083	IRA
` •	s 42A.) Which navigational info	ormation and services would be available to the pilot
A) Localizer an	d glide slope, DME, TACAN wi	th no voice capability.
B) Localizer info	ormation only, ATIS and DME	are available.
C) Localizer an	d glide slope, DME, and no vo	ice capability.
489.	PLT354	IRA
What is a way բ	point when used for an IFR flig	ht?
A) A predeterm approach.	ined geographical position use	ed for an RNAV route or an RNAV instrument
B) A reporting p	point defined by the intersection	n of two VOR radials.
C) A location or	n a victor airway which can onl	y be identified by VOR and DME signals.
490.	PLT451	IRA
mile radius of the	• •	hight VFR flight in a single engine airplane within a 25 equired to possess at least which rating(s)? e engine land rating.
B) A Commerci	al Pilot Certificate with a single	e engine and instrument (airplane) rating.
C) A Private Pil	lot Certificate with a single eng	ine land and instrument airplane rating.
491.	PLT448	IRA
A certificated corequired to hav		ssengers for hire at night or in excess of 50 NM is
A) an associate	ed type rating if the airplane is o	of the multiengine class.
B) a First-Class	s Medical Certificate.	
C) an instrume	nt rating in the same category	and class of aircraft.
492.	PLT379	IRA
	er than helicopters, is an altern e proposed ETA is 1930Z?	ate airport required for an IFR flight to ATL (Atlanta
TAF KATL 121	720Z 121818 20012KT 5SM H	Z BKN030
FM2000 3SM T	SRA OVC025CB	
FM2200 33015	G20KT P6SM BKN015 OVC04	40 BECMG 0608
02008KT BKN	040 BECMG 1012 00000KT P	6SM CLR=
A) Yes, becaus ETA.	e the ceiling could fall below 2	,000 feet within 2 hours before to 2 hours after the

B) No, because respectively.	the ceiling and visibility are fore	cast to remain at or above 1,000 feet and 3 miles,
•	e the ceiling and visibility are fore of 1 hour after the ETA.	cast to be at or above 2,000 feet and 3 miles within
493.	PLT379	IRA
-	out an authorized IAP may be inc r forecast indicates that the ceilin	eluded on an IFR flight plan as an alternate, if the ig and visibility at the ETA will
A) allow for des	cent from the IAF to landing und	er basic VFR conditions.
B) be at least 1	,000 feet and 1 mile.	
C) allow for a d	escent from the MEA, approach,	and a landing under basic VFR conditions.
494.	PLT161	IRA
	g from an airport located outside eceive a clearance before	controlled airspace during IMC, you must file an IFR
B) entering IFR	conditions.	
C) entering Cla	ss E airspace.	
495.	PLT414	IRA
Which procedu	re is recommended while climbin	ig to an assigned altitude on the airway?
A) Climb on the conditions.	e centerline of the airway except	when maneuvering to avoid other air traffic in VFR
B) Climb slightly	y on the right side of the airway v	when in VFR conditions.
	ough to the right side of the airwaite direction if in VFR conditions.	ay to avoid climbing or descending traffic coming
496.	PLT415	IRA
The use of certa	ain portable electronic devices is	prohibited on aircraft that are being operated under
A) IFR.		
B) VFR.		
C) DVFR.		
497.	PLT438	IRA
	ximum IFR altitude you may fly ir h supplemental oxygen?	n an unpressurized aircraft without providing
A) 12,500 feet.		
B) 14,000 feet.		
C) 15,000 feet.		

498.	PLT316	IRA
When are seve	ere weather watch bulletins (WW)	issued?
A) Every 12 ho	ours as required.	
B) Every 24 ho	ours as required.	
C) Unschedule	ed and issued as required.	
499.	PLT290	IRA
Which meteoro	ological condition is issued in the f	orm of a SIGMET (WS)?
A) Widespread	I sand or dust storms lowering vis	ibility to less than 3 miles.
B) Moderate ic	ing.	
C) Sustained v	vinds of 30 knots or greater at the	surface.
500.	PLT283	IRA
What flight plan	nning information can a pilot deriv	e from constant pressure charts?
A) Clear air tur	bulence and icing conditions.	
B) Levels of wi	despread cloud coverage.	
C) Winds and	temperatures aloft.	
501.	PLT051	IRA
	r forecast describes prospects for during the following 24 hours?	an area coverage of both severe and general
A) Terminal Ae	erodrome Forecast.	
B) Convective	outlook.	
C) Radar Sum	mary Chart.	
502.	PLT294	IRA
(Refer to figure weather depict	•	cket (]) plotted to the right of the station circle on a
A) The station	represents the en route conditions	s within a 50 mile radius.
B) The station	is an automated observation loca	tion.
C) The station	gives local overview of flying cond	ditions for a six hour period.
503.	PLT192	IRA
The suffix 'nim	bus', used in naming clouds, mea	ns a
A) cloud with e	extensive vertical development.	
B) rain cloud.		
C) dark massiv	ve, towering cloud.	

504.	PLT263	IRA
	nce is encountered during your libring speed because the	FR flight, the airplane should be slowed to the
A) maneuverabil	lity of the airplane will be increase	ed.
B) amount of exc	cess load that can be imposed or	n the wing will be decreased.
C) airplane will s	stall at a lower angle of attack, given	ving an increased margin of safety.
505.	PLT203	IRA
A characteristic	of the stratosphere is	
A) an overall ded	crease of temperature with an inc	crease in altitude.
B) a relatively ev	ven base altitude of approximatel	y 35,000 feet.
C) relatively sma	all changes in temperature with a	n increase in altitude.
506.	PLT518	IRA
. •	nagement would normally be requ	ch involves a shift from a tailwind to a headwind, uired to maintain a constant indicated airspeed and
A) Higher than nencountered, the		a further increase as the wind shear is
B) Lower than no encountered, the		a further decrease as the wind shear is
C) Higher than r increase.	ormal power initially, followed by	a decrease as the shear is encountered, then an
507.	PLT147	IRA
(Refer to figure 6	68.) What is the VASI approach s	slope angle for RWY 12 at Houma Terrebonne?
A) 3.0°.		
B) 2.8°.		
C) 2.5°.		
508.	PLT161	IRA
What minimum a	aircraft equipment is required for	operation within Class C airspace?
A) Two-way com	nmunications and Mode C transp	onder.
B) Two-way com		
C) Transponder		
509.	PLT391	IRA
	wo-way radio communications fai ilot should continue	ilure while operating on an IFR clearance in VFR

A) by the route	e assigned in the last ATC	clearance received.		
B) the flight ur	nder VFR and land as soo	n as practical.		
C) the flight by	the most direct route to t	he fix specified in the las	st clearance.	
510.	PLT225		IRA	
(Refer to figure	e 56.) What aircraft equipr	ment code should be ent	ered in block 3 of the fl	ight plan?
A) U.				
B) A.				
C) I.				
511.	PLT090	IRA		
`	e 58.) Which indications o checkpoint would meet th			od Field
VOR	TO/FROM	VOR	TO/FROM	DME
No. 1		No. 2		
A) 097° FRON	/I 101° FROM 3.3			
B) 097° TO 09	96° TO 3.2			
C) 277° FRON	И 280° FROM 3.3			
512.	PLT100		IRA	
(Refer to figure	es 65 and 67.) What is the	significance of the sym	bol at GRICE intersecti	on?
A) It signifies a	a localizer only approach i	s available at Harry P. W	Villiams Memorial.	
B) The localize	er has an additional naviga	ation function.		
C) GRICE inte Memorial.	ersection also serves as th	e FAF for the ILS approa	ach procedure to Harry	P. Williams
513.	PLT100		IRA	
Which aerona	utical chart depicts Military	Training Routes (MTR)	above 1,500 feet?	
A) IFR Plannir	ng Chart.			
B) IFR Low Al	titude En Route Chart.			
C) IFR High A	ltitude En Route Chart.			