07/07/2008

Bank: (Light Sport Pilot)

Airman Knowledge Test Question Bank

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

1. PLT074 LSP

(Refer to figure 68.) The horizontal dashed line from point C to point E represents the

- A) ultimate load factor.
- B) positive limit load factor.
- C) airspeed range for normal operations.

2. PLT131 LSP

What must a pilot be aware of as a result of ground effect?

- A) Wingtip vortices increase creating wake turbulence problems for arriving and departing aircraft.
- B) Induced drag decreases; therefore, any excess speed at the point of flare may cause considerable floating.
- C) A full stall landing will require less up elevator deflection than would a full stall when done free of ground effect.
- 3. PLT241 LSP

What is the relationship of lift, drag, thrust, and weight when the airplane is in straight-and-level flight?

- A) Lift equals weight and thrust equals drag.
- B) Lift, drag, and weight equal thrust.
- C) Lift and weight equal thrust and drag.
- 4. PLT213 LSP

An airplane said to be inherently stable will

- A) be difficult to stall.
- B) require less effort to control.
- C) not spin.
- 5. PLT477 LSP

The angle of attack at which an airfoil stalls will

A) increase if the C	CG is moved forward.	
B) remain the same	e regardless of gross weight.	
C) change with an	increase in gross weight.	
6. PLT1	170	LSP
	patterns while descending create specific colli	
A) should be avoid		Sion nazarus anu
,	whenever possible.	
C) are illegal.		
7. PLT1		LSP
	nergency where Air Traffic Control (ATC) assis puency can be used to establish communication	•
C) 128.725 MHz.		
0) 120.720 WII 12.		
8. PLT1	116	LSP
During departure, v longer a factor whe	when visual separation is employed by Air Tra en	affic Control (ATC), traffic is no
A) the other aircraft	t turns away or is on a diverging course.	
B) visual contact w	ith the other aircraft is lost.	
C) the other aircraf	t is passed.	
9. PLT1	124	LSP
	does high humidity have on aircraft performa	
A) It increases perf		1100:
B) It decreases per		
C) It has no effect of		
	sii periermanee.	
10.	PLT041	LSP
(Refer to figure 24. altimeter setting of A) 1,341 feet MSL. B) 1,451 feet MSL. C) 1,562 feet MSL.		t that is 1,386 feet MSL with an
11.	PLT005	LSP

altitude if the A) 900-foot	e pressure altitude remains a increase. ot decrease.	at a temperature increase from 30 to 50 °F on the density at 3,000 feet MSL?
12.	PLT129	LSP
What effect	does an uphill runway slope	have on takeoff performance?
A) Increases	s takeoff speed.	
B) Increases	s takeoff distance.	
C) Decrease	es takeoff distance.	
13.	PLT207	LSP
An electrica	l system failure (battery and	alternator) occurs during flight. In this situation, you would
A) experiend	ce avionics equipment failur) .
,	experience failure of the engage equipment.	gine ignition system, fuel gauges, aircraft lighting system,
,		ue to the loss of the engine-driven fuel pump and also it, lights, and all instruments that require alternating current.
14.	PLT132	LSP
What does t	he red line on an airspeed in	ndicator represent?
A) Maneuve	ering speed.	
B) Turbulen	t or rough-air speed.	
C) Never-ex	ceed speed.	
15.	PLT023	LSP
Under what	condition is indicated altitud	e the same as true altitude?
A) If the altir	meter has no mechanical err	or.
B) When at	sea level under standard co	nditions.
C) When at	18,000 feet MSL with the all	imeter set at 29.92.
16.	PLT023	LSP
What is pres	ssure altitude?	
A) The indic	ated altitude corrected for p	osition and installation error.
B) The altitu	ide indicated when the baror	netric pressure scale is set to 29.92.
C) The indic	cated altitude corrected for n	onstandard temperature and pressure.
17.	PLT023	LSP

What is absolute altitude?			
A) The altitude read directly from the altimeter.			
B) The vertical dista	ance of the aircraft above the surface.		
C) The height above	e the standard datum plane.		
18.	PLT023	LSP	
What is true altitude			
A) The vertical dista	ance of the aircraft above sea level.		
B) The vertical dista	ance of the aircraft above the surface.		
C) The height above	e the standard datum plane.		
19.	PLT251	LSP	
	s after the last flight of the day is considered a g		
A) force any existing	g water to the top of the tank away from the fue	I lines to the engine.	
B) prevent expansion	on of the fuel by eliminating airspace in the tank	S.	
C) prevent moisture	e condensation by eliminating airspace in the ta	nks.	
20.	PLT253	LSP	
	vater from the fuel system of an aircraft equippe , it is necessary to drain fuel from the	ed with fuel tank sumps and a fuel	
A) fuel strainer drain	n.		
B) lowest point in th	ne fuel system.		
C) fuel strainer drain	n and the fuel tank sumps.		
21.	PLT337	LSP	
	ovides impact pressure for which instrument?		
A) Altimeter.			
B) Vertical-speed in	ndicator		
C) Airspeed indicate			
o) / mapeca maleati	OI.		
22.	PLT337	LSP	
A) The altimeter, air B) The altimeter, air	outside static vents become clogged, which insurspeed indicator, and turn-and-slip indicator. rspeed indicator, and vertical speed indicator. titude indicator, and turn-and-slip indicator.	struments would be affected?	
23.	PLT190	LSP	

Which condition is	most favorable to the development of carbureto	r icing?
A) Any temperature	e below freezing and a relative humidity of less	than 50 percent.
B) Temperature be	tween 32 and 50 °F and low humidity.	·
C) Temperature be	tween 20 and 70 °F and high humidity.	
24.	PLT190	LSP
Which condition is	most favorable to the development of carbureto	r icing?
A) Any temperature	e below freezing and a relative humidity of less	than 50 percent.
B) Temperature be	tween 32 and 50 °F and low humidity.	
C) Temperature be	tween 20 and 70 °F and high humidity.	
25.	DI TOEO	LSP
	PLT253	
	ed with fuel pumps, when is the auxiliary electric	anven pump usea?
•	d the engine-driven fuel pump.	
	ine-driven fuel pump fails.	
c) Constantly exce	pt in starting the engine.	
26.	PLT478	LSP
One purpose of the	e dual ignition system on an aircraft engine is to	provide for
A) improved engine	e performance.	
3) uniform heat dis	tribution.	
C) balanced cylinde	er head pressure.	
27.	PLT115	LSP
•	hat the engine (with a fixed-pitch propeller) is de orrective action to take would be to	etonating during climb-out after
A) lean the mixture		
B) lower the nose s	slightly to increase airspeed.	
C) apply carburetor	r heat.	
28.	PLT478	LSP
The uncontrolled fir	ring of the fuel/air charge in advance of normal	spark ignition is known as
A) combustion.		
3) pre-ignition.		
C) detonation.		
29.	PLT351	LSP

What effect does hi efficiency and why?	gh density altitude, as compared to low density	altitude, have on propeller
A) Efficiency is incre	eased due to less friction on the propeller blade	es.
B) Efficiency is reduction	uced because the propeller exerts less force at	high density altitudes than at lov
•	uced due to the increased force of the propeller	in the thinner air.
30.	PLT116	LSP
A) there are obstruct B) that weather at the	g beacon operated during daylight hours indicat ctions on the airport. he airport located in Class D airspace is below ontrol tower is not in operation.	
	DI T 4 4 7	1.00
31. A below glide slope A) red light signal. B) pink light signal. C) green light signa	PLT147 indication from a tri-color VASI is a	LSP
32.	PLT077	LSP
(Refer to figure 62.) A) landing. B) taxiing and taked C) taxiing and landi		er A may be used for
33.	PLT112	LSP
	plane with strong quartering tailwinds, which ail	
•	the side from which the wind is blowing. e side from which the wind is blowing.	
34.	PLT201	LSP
A) Depart in any dir B) Make all turns to	t traffic pattern departure procedure to use at a rection consistent with safety, after crossing the the left. FAA traffic pattern established for the airport.	•
35.	PLT064	LSP

` •	area 2 and legend 1.) For information about the rwood Airport, refer to	e parachute jumping and glider
A) notes on the boi	rder of the chart.	
B) the Airport/Facil	ity Directory.	
C) the Notices to A	irmen (NOTAM) publication.	
36.	PLT509	LSP
What wind conditio period of time?	on prolongs the hazards of wake turbulence on a	a landing runway for the longest
A) Light quartering	headwind.	
B) Direct tailwind.		
C) Light quartering	tailwind.	
37.	PLT163	LSP
Sport Pilot minimur is	m flight visibility for Class E airspace less than 1	0,000 feet mean sea level (MSL)
A) 2,000 feet horizon	ontal.	
B) 3 statute miles.		
C) 3 nautical miles	-	
38.	PLT161	LSP
	ort with a part-time control tower is classified as iling visibility is below 3 statute miles.	Class D airspace only
,	iated control tower is in operation.	
•	iated Flight Service Station is in operation.	
39.	PLT116	LSP
Military Training Ro	itary Training Routes, charted as VFR Military Toutes (IR) on sectional charts, is to ensure the gons and to allow the military to conduct	·
A) low altitude, high	h-speed training.	
B) radar instrumen	t training.	
C) air-to-air refuelir	ng training.	
40.	PLT194	LSP
	ity issues the following advisory to a pilot flying of LES, EASTBOUND` Where should the pilot loo	_
B) South.		

C) West.		
41.	PLT064	LSP
A) Unusual, off B) Military train	ten invisible, hazards sucl ning activities that necessi	Is to aircraft may exist in restricted areas such as R-5302B? The as aerial gunnery or guided missiles. The acrobatic or abrupt flight maneuvers. The usual type of aerial activity.
42.	PLT064	LSP
(Refer to figure A) 1,200 feet M B) 700 feet AG C) 1,200 feet A	MSL. GL.	the Class E airspace over the town of Commerce is
43.	PLT116	LSP
•	ich support antenna tower	rs, can extend horizontally; therefore, the towers should be
A) 2,000 feet h	orizontally.	
B) 300 feet hor	•	
C) 1,000 feet h	iorizontally.	
44.	PLT445	LSP
A) Quick walk a B) Any sequen	around with a check of ga	
-,g		
A) disciplined a	PLT436 nerence to approved check and competent pilot. cks the required knowledg ot.	
46.	PLT125	LSP
Climb performa	ance depends upon the	
A) reserve pow		
B) maximum L		
C) cruise power	er setting.	

47.	PLT194	LSP
To scan properly for	r traffic, a pilot should	
A) slowly sweep the	e field of vision from one side to the other at inte	ervals.
B) concentrate on a	ny peripheral movement detected.	
C) use a series of s into the central visu	hort, regularly spaced eye movements that brin al field.	g successive areas of the sky
48.	PLT015	LSP
A) in steady, level fl B) in a long range d	lescent.	maintain the aircraft
C) at its slowest pos	ssible indicated airspeed.	
49.	PLT116	LSP
Pilots who become A) request assistance B) reduce their situation C) change their min	ational awareness.	ould
•		LSP y
A) Power, pitch, bar B) Thrust, lift, turns,		LSP
52.To avoid missing imA) appropriate checB) placarded airspeC) airworthiness ce	eds.	LSP

53.	PLT441	LSP
	nd is responsible for ensuring that each person s briefed and instructed on how and when to	on board applicable U. S.
A) fasten and unfas	sten their seat belt and shoulder harness.	
B) adjust their seat.		
C) operate the fire of	extinguisher.	
54.	PLT477	LSP
The direct cause of	every stall is excessive	
A) angle of attack.		
B) density altitude.		
C) upward vertical v	velocity.	
55.	PLT134	LSP
The most critical co weight, altitude, ten A) unfavorable wind		some combination of high gross
B) obstacles surrou		
C) powerplant syste	-	
o, poworpiani oyot	5.110.	
56.	PLT509	LSP
The greatest vortex	strength occurs when the generating aircraft is	
A) light, dirty, and fa	ast.	
B) heavy, dirty, and	I fast.	
C) heavy, clean, an	nd slow.	
57.	PLT501	LSP
_	conomy of operation are the principal goals, the rated at the recommended	pilot must ensure that the
A) specific enduran		
B) long-range cruis		
C) equivalent airspe	•	
58.	PLT103	LSP
What is the antidote	e when a pilot has the hazardous attitude of `Inv	rulnerability`?
A) It can not be that	•	-
B) It could happen to		
C) It will not happer	n to me.	

59.	PLT099	LSP
The most eff hours is to u	_	other aircraft for collision avoidance during daylight
A) regularly	spaced concentration on the 3-	, 9-, and 12-o'clock positions.
B) a series of	of short, regularly spaced eye m	novements to search each 10-degree sector.
C) periphera	Il vision by scanning small secto	ors and utilizing offcenter viewing.
60.	PLT200	LSP
	measurements on a Sectional of the course because the	Aeronautical Chart should be made at a meridian near
A) values of	isogonic lines change from poi	nt to point.
B) angles for	rmed by isogonic lines and line	s of latitude vary from point to point.
C) angles fo	rmed by lines of longitude and	the course line vary from point to point.
61.	PLT064	LSP
(Refer to figu	ure 57, area 7.) The airspace o	verlying Mc Kinney (TKI) is controlled from the surface to
A) 700 feet A	AGL.	
B) 2,900 fee	t MSL.	
C) 2,500 fee	t MSL.	
62.	PLT116	LSP
	ation and Air Traffic Control pro	ation that provides the aviation community with basic cedures for use in the National Airspace System of the
A) Aeronauti	ical Information Manual (AIM).	
B) Airport/Fa	acility Directory (A/FD).	
C) Advisory	Circular Checklist (AC 00-2).	
63.	PLT078	LSP
•	ete listing of information provide may be decoded, refer to the	ed in an Airport/Facility Directory (A/FD) and how the
A) "Directory	Legend Sample" located in the	e front of each A/FD.
B) Aeronauti	ical Information Manual (AIM).	
C) legend or	n sectional, VFR terminal area,	and world aeronautical charts.
64.	PLT323	LSP
Flight Service	•	of a local nature. NOTAM-Ls are maintained at each their area only. NOTAM-L information for other FSS he FSS

A) that has re	sponsibility for the airport o	concerned.
B) with which	the pilot communicates.	
C) where the	flight plan is filed.	
65.	PLT377	LSP
How long doe	s the Airworthiness Certific	cate of an aircraft remain valid?
A) As long as	the aircraft has a current F	Registration Certificate.
B) Indefinitely	, unless the aircraft suffers	major damage.
C) As long as	the aircraft is maintained a	and operated as required by Federal Aviation Regulations.
66.	PLT378	LSP
A) Yes, AD's a	are only voluntary.	t in compliance with an Airworthiness Directive (AD)?
•	wed by the AD.	
C) Yes, under	VFR conditions only.	
67.	PLT430	LSP
	necessary for takeoff or lar craft anywhere?	nding, what is the minimum safe altitude for a pilot to
A) An altitude or property on	-	ils, an emergency landing without undue hazard to persons
B) An altitude vehicle, or str		ace and no closer than 500 feet to any person, vessel,
C) An altitude	of 500 feet above the high	nest obstacle within a horizontal radius of 1,000 feet.
68.	PLT366	LSP
How many da A) 2. B) 7. C) 10.	ys after an accident is a re	port required to be filed with the nearest NTSB field office?
69.	PLT514	LSP
What should pinformation?	pilots state initially when te	lephoning a weather briefing facility for preflight weather
A) Tell the nui	mber of occupants on boar	⁻ d.
•	mselves as pilots. total flight time.	
70.	PLT495	LSP

Thunderstorms which generally produce the most intense hazard to	o aircraft are
A) squall line thunderstorms.	
B) air mass thunderstorms.	
C) warm front thunderstorms.	
71. PLT495	LSP
What conditions are necessary for the formation of thunderstorms?	,
A) High humidity, lifting force, and unstable conditions.	
B) High humidity, high temperature, and cumulus clouds.	
C) Lifting force, moist air, and extensive cloud cover.	
72. PLT313	LSP
Problems caused by overloading an aircraft include	
A) reduced climb rate, excessive structural loads, and shortened cr	ruising range.
B) increased service ceiling, increased angle of climb, and increase	ed cruising speed.
C) slower takeoff speed, increased maneuverability, and shorter ta	keoff roll.
73. PLT267	LSP
The term `weigh-off` means to determine the	
A) static equilibrium of the balloon as loaded for flight.	
B) amount of gas required for an ascent to a preselected altitude.	
C) standard weight and balance of the balloon.	
74. PLT181	LSP
The lifting forces which act on a hot air balloon are primarily the resbeing	sult of the interior air temperature
A) greater than ambient temperature.	
B) less than ambient temperature.	
C) equal to ambient temperature.	
75. PLT267	LSP
The term `weigh-off` means to determine the	
A) static equilibrium of the balloon as loaded for flight.	
B) amount of gas required for an ascent to a preselected altitude.	
C) standard weight and balance of the balloon.	
76. PLT502	LSP

A steady green lig pilot	ght signal directed from the control tower to an a	ircraft in flight is a signal that the
A) is cleared to la	nd.	
•	y to other aircraft and continue circling.	
C) should return for	or landing.	
77.	PLT305	LSP
If it is necessary to	o set the altimeter from 29.15 to 29.85, what cha	ange occurs?
A) 70-foot increas	se in indicated altitude.	
•	se in density altitude.	
C) 700-foot increa	ase in indicated altitude.	
78.	PLT254	LSP
On cold days, it m	nay be necessary to preheat the propane tanks b	pecause
A) the temperatur	e of the liquid propane controls the burner press	ure during combustion.
B) there may be id	ce in the lines to the burner.	
C) the propane ne	eeds to be thawed from a solid to a liquid state.	
79.	PLT251	LSP
How should a ball	loon fuel system be checked for leaks prior to flig	ght?
A) Listen and sme	ell.	
B) Check all conn	ections with a lighted match.	
C) Cover all conn	ections and tubing with soapy water.	
80.	PLT253	LSP
In addition to the ipreflight?	required documents, what carry-on equipment s	hould be accounted for during
A) Flotation gear.		
B) Emergency loc	cator transmitter.	
C) Two means of	burner ignition.	
81.	PLT254	LSP
All fuel tanks shou	uld be fired during preflight to determine	
A) the burner pres	ssure and condition of the valves.	
B) that the pilot lig	ght functions properly on each tank.	
C) if there are any	leaks in the tank.	
82.	PLT251	LSP

	is available, within which temperature rangoressure for burner operation during flight?	ge will propane vaporize sufficiently to
83.	PLT254	LSP
	e begins forming on the outside of the fuel to	
A) water in the fu	el.	
B) a leak in the fu	uel line.	
C) vaporized fuel	instead of liquid fuel being drawn from the	tank into the main burner.
84.	PLT130	LSP
Burner efficiency above MSL?	of a hot air balloon decreases approximate	ely what percent for each 1,000 feet
A) 4 percent.		
B) 8 percent. C) 15 percent.		
85.	PLT393	LSP
A balloon flight th	rough a restricted area is	
A) permitted at ce	ertain times, but only with prior permission b	by the appropriate authority.
B) permitted anyt C) never permitte	ime, but caution should be exercised becaued.	use of high-speed military aircraft.
86.	PLT177	LSP
On a balloon equ A) climbs and des B) altitude contro C) emergencies o	l.	used for
87.	PLT184	LSP
A) Be seated on t B) Stand with kne	ree balloon, what should the occupants do the floor of the basket. ees slightly bent, in the center of the gondol -back and hold onto the load ring.	
88.	PLT304	LSP

What causes false lift which sometimes occurs during launch procedures? A) Closing the maneuvering vent too rapidly. B) Excessive temperature within the envelope. C) Venturi effect of the wind on the envelope.			
A) The envelope maB) Deflation ports m		LSP	
A) flying a constantB) operating at diffe	PLT219 o make changes in the direction of flight in a horatmospheric pressure gradient. rent flight altitudes. the friction level, if there is no gradient wind.	LSP t air balloon by	
91. PLT125 LSP What is a hazard of rapid descents? A) Wind shear can cavitate one side of the envelope, forcing air out of the mouth. B) The pilot light cannot remain lit with the turbulent air over the basket. C) Aerodynamic forces may collapse the envelope.			
In a balloon, best fu A) riding the haze lin	PLT130 el economy in level flight can be accomplished ne in a temperature inversion. eat at high frequency. at at low frequency.	LSP by	
93. PLT184 LSP When landing a free balloon, what should the occupants do to minimize landing shock? A) Be seated on the floor of the basket. B) Stand with knees slightly bent, in the center of the gondola, facing the direction of movement. C) Stand back-to-back and hold onto the load ring.			
94.	PLT064	LSP	

Hertford by at least A) 805 feet MSL. B) 1,000 feet MSL. C) 1,015 feet MSL.	area 4.) A balloon launched at the town of Eder num altitude must it maintain to clear all of the of 500 feet?	· · · · · · · · · · · · · · · · · · ·
95.	PLT041	LSP
ighted obstacle. If t	area 1.) A balloon launched at Flying S Airport he altimeter was set to the current altimeter set on is to clear the obstacle at 500 feet above the	ting upon launch, what should it
96.	PLT064	LSP
A) Class B airspace B) Class C airspace	area 4.) The airspace directly overlying Fort Work to 10,000 feet MSL. e to 5,000 feet MSL. e to 3,200 feet MSL.	orth Meacham is
97.	PLT041	LSP
ighted obstacle. If t	area 1.) A balloon launched at Flying S Airport he altimeter was set to the current altimeter set on is to clear the obstacle at 500 feet above the	ting upon launch, what should it
A) 1,531 feet MSL. B) 1,809 feet MSL. C) 3,649 feet MSL.		
B) 1,809 feet MSL.	PLT064	LSP
B) 1,809 feet MSL. C) 3,649 feet MSL. 98. (Refer to figure 59, A) Class D airspace B) Class E airspace	PLT064 area 6.) The airspace overlying and within 5 mile from the surface to the floor of the overlying Ce from the surface to 1,200 feet MSL. The from the surface to 700 feet AGL.	les of Barnes County Airport is
B) 1,809 feet MSL. C) 3,649 feet MSL. 98. (Refer to figure 59, A) Class D airspace B) Class E airspace	area 6.) The airspace overlying and within 5 mie from the surface to the floor of the overlying Ce from the surface to 1,200 feet MSL.	les of Barnes County Airport is

B) 3,449 feet MSL		
C) 3,349 feet MSI		
100.	PLT064	LSP
-	7, area 8.) What minimum al area south of NAS Dallas?	titude is required to fly over the Cedar Hill TV towers
A) 2,555 feet MSL		
B) 3,449 feet MSL		
C) 3,349 feet MSI		
101.	PLT012	LSP
from 220° at 5 known A) Near Hackney B) Crossing the ra	ots, what should be its appro	nched at Ranch Aero (Pvt) Airport with a reported wind eximate position after 2 hours of flight? Airport.
102.	PLT444	LSP
The person direct A) safety officer. B) pilot in comma C) ground crewmo	nd.	unch briefing of passengers for a flight is the
103.	PLT445	LSP
Which preflight ac	ction is specifically required	of the pilot prior to each flight?
A) Check the airc	raft logbooks for appropriate	entries.
•	ar with all available informati urbulence avoidance proced	
o, nonen mane i	aradana aradana proces	
104.	PLT177	LSP
A) Decreasing clo		te for balloon operations?
B) Chances of thu C) Approaching fr		
105.	PLT179	LSP
What constitutes t A) Total gross we	the payload of a balloon? ight.	

B) Total weight of pass	sengers, cargo, and fuel.	
C) Weight of the aircra	ft and equipment.	
106.	PLT257	LSP
The best speed to use amount of	for a glide is one that will result in the greates	st glide distance for a given
A) altitude.		
B) fuel.		
C) drag.		
107.	PLT340	LSP
	process in the exchange of flight controls be ave the flight controls, (2)I have the flight controls.	•
B) I have the aircraft.		
C) I have the flight con	trols.	
400	DI TORO	LOD
108.	PLT280	LSP
	the following atmospheric illusions?	
	istance from the runway.	
-	stance from the runway.	
C) Haze creates no ato	omospheric illusions.	
109.	PLT012	LSP
•	a glider is launched over Barnes County Airpo estown Airport (area 4), how long will it take f	·
A) 20 minutes.		
B) 27 minutes.		
C) 48 minutes.		
110.	PLT012	LSP
` •	a 1.) A glider is launched over Caddo Mills A rport, south of Caddo Mills. How long will it to P	•
A) 31 minutes.		
B) 27 minutes.		
C) 25 minutes.		

111.	PLT064	LSP
	9, area 1.) Identify the airs	
		including 18,000 feet MSL.
•	•	including 700 feet MSL, Class E airspace - 700 feet to
14,500 feet MSL.		
•	ace - surface up to but not t including 18,000 feet MS	including 1,200 feet AGL, Class E airspace - 1,200 feet L.
112.	PLT161	LSP
A) 700 feet above B) 1,200 feet abo	e the surface up to and inc	ncluding 17,999 feet MSL.
113.	PLT017	LSP
(Refer to figure p A) 10.5:1. B) 21.7:1. C) 28.5:1.	rovided.) What approximat	te lift/drag ratio will the glider attain at 68 MPH in still air?
114.	PLT112	LSP
•	ided at a towered airport a ay. You are considered cle	nd the tower tells you to contact ground control when ear of the runway when
	aircraft have crossed the	
B) the aircraft cod	ckpit is clear of the hold line	€.
C) the tail of the a	aircraft is clear of the runw	ay edge.
115.	PLT222	LSP
ground and the s A) Crab into the v B) Crab into the v	ailplane is airborne and dri wind by holding upwind (rig wind so as to maintain a po	-
116.	PLT120	LSP
Which is conside thunderstorms?	red to be the most hazardo	ous condition when soaring in the vicinity of
A) Static electrici	ty.	
B) Lightning.		

C) Wind shear and t	urbulence.	
117.	PLT511	LSP
During which period A) Shortly after sunr B) During the early f	ise.	t suitable for soaring flight?
C) During the afternoon		
118.	PLT239	LSP
Under which condition	on will an airship float in th	e air?
A) When buoyant for drag.	rce equals horizontal equil	ibrium existing between propeller thrust and airship
B) When buoyant for volume being displace		nce between airship weight and the weight of the air
C) When buoyant fo volume being displace	-	between airship weight and the weight of the air
119.	PLT159	LSP
The pressure height	of an airship is the altitude	e at which
A) the airship would	be unable to gain more al	titude.
B) gas pressure wou	ıld reach 3 inches of water	·.
C) the ballonet(s) wo	ould be empty.	
120.	PLT208	LSP
•	experience failure of both of immediate action must the	engines during flight and neither engine can be ne pilot take?
A) The airship must	be driven down to a landir	ng before control and envelope shape are lost.
	uxiliary power unit must b tion can be maintained.	e started for electrical power to the airscoop blowers
C) Immediate prepa	rations to operate the airsh	nip as a free balloon are necessary.
121.	PLT125	LSP
An airship descendir	ng through a steep temper	ature inversion will
A) show no change	in superheat as altitude is	lost.
B) show a decrease	in superheat as altitude is	lost.
C) become progress	ively lighter, thus becomin	ng increasingly more difficult to drive down.
122.	PLT125	LSP
An airship descendir	ng through a steep temper	ature inversion will

A) show no change ir	n superheat as altitude is lost.	
B) show a decrease i	n superheat as altitude is lost.	
C) become progressi	vely lighter, thus becoming increasingly mor	e difficult to drive down.
123.	PLT153	LSP
	ship, when is vertical equilibrium established	
	s greater than airship weight.	
B) When buoyancy e	1 0	
,	s less than airship weight.	
-, ·····, ···		
124.	PLT153	LSP
During flight in an airs	ship, when is vertical equilibrium established	! ?
A) When buoyancy is	s greater than airship weight.	
B) When buoyancy e	quals airship weight.	
C) When buoyancy is	s less than airship weight.	
405	DI TOCA	LOD
125.	PLT064	LSP
` •	An airship crosses over Minot VORTAC (areasoutheast on Victor 15 at 1108. What should	•
A) Over Lake Nettie N	National Wildlife Refuge.	
B) Crossing the road	east of Underwood.	
C) Over the powerline	es east of Washburn Airport.	
126.	PLT064	LSP
	rea 2.) Which airport is located at approxima minutes 00 seconds W longitude?	tely 47° 39 minutes 30 seconds N
A) Linrud.		
B) Crooked Lake.		
C) Johnson.		
127.	PLT012	LSP
the intersection of the arrive over the Bonha	An airship passes over the Quitman VOR-DNe powerline and Victor 114 at 0948. Approxiram VORTAC (area 3)?	•
A) 1109.		
B) 1117.		
C) 1138.		

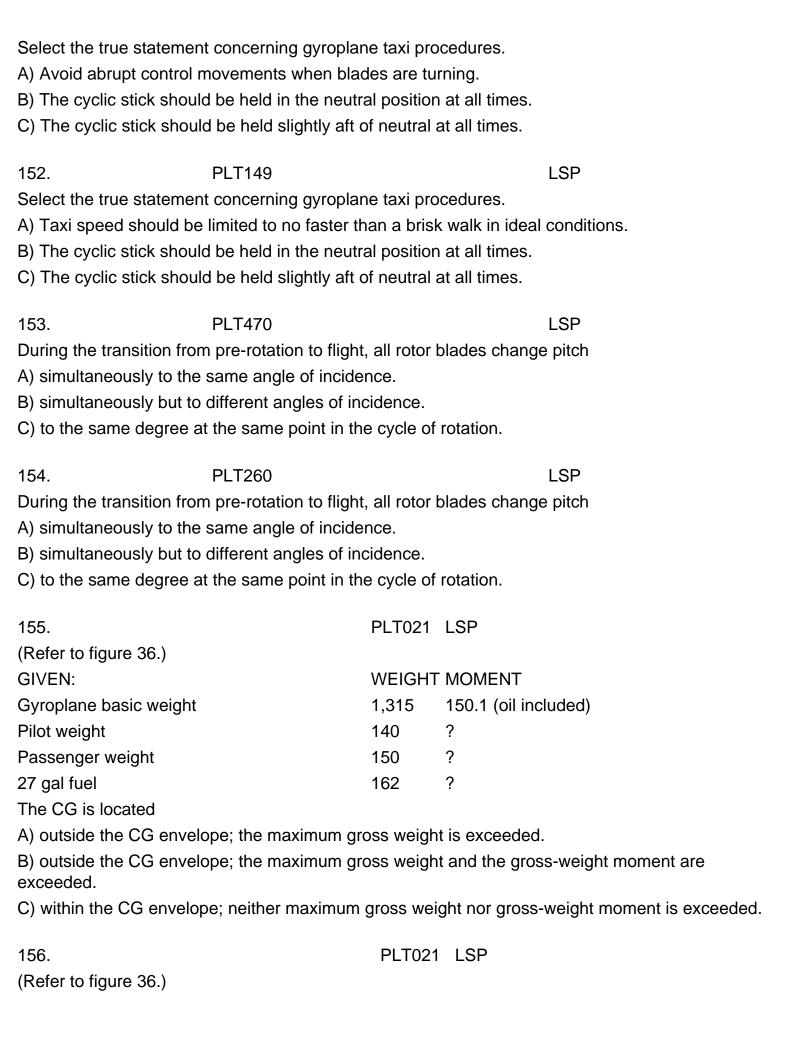
128.	PLT152	LSP
	altitude that a rigid airship can in the surface is determined by	reach (under a given atmospheric condition) and then
A) the disposal	ole load.	
B) ballonet cap	acity.	
C) pressure alt	itude.	
129.	PLT160	LSP
An unbalanced	l condition of an airship in flight	must be overcome by
A) valving air fr	om the ballonets.	
B) valving gas	from the envelope.	
C) a negative of	or a positive dynamic force.	
130.	PLT328	LSP
Which items ar	e included in the empty weight	of an aircraft?
A) Unusable fu	el and undrainable oil.	
B) Only the airf	frame, powerplant, and optional	equipment.
C) Full fuel tan	ks and engine oil to capacity.	
131.	PLT207	LSP
•	rstem failure (battery and alternates) and would	ator) occurs in a magneto equipped aircraft during
,	·	ne loss of the engine-driven fuel pump and also ts, and all instruments that require alternating current.
B) probably expand avionics ed		nition system, fuel gauges, aircraft lighting system,
C) experience	avionics equipment failure.	
132.	PLT346	LSP
The steering ba	ars	
A) are used du	ring taxi operations with the par	achute stowed.
B) control the c	outboard trailing edge of the par	achute.
C) control the r	main landing gear brakes.	
133.	PLT478	LSP
One purpose o	f the dual ignition system on a t	wo-cycle engine is to provide for
A) system redu	indancy in the ignition system.	
B) uniform hea	t distribution.	

C) balanced cylinder head pressure.

134.	PLT039	LSP
	provided.) The traffic patterns in over an area to the	dicated in the segmented circle have been arranged
A) south of the	airport.	
B) north of the	airport.	
C) southeast of	f the airport.	
135.	PLT114	LSP
One of the fund	ctions of the wing's crosstube is t	o
A) hold the win	gs open.	
B) provide surfa	ace to grip and control the aircrat	t.
C) provide an a	attachment point for the carriage.	
136.	PLT114	LSP
On some trikes	s, the hang point is part of	
•	im arrangement that allows the p the most favorable aircraft perfor	ilot to adjust the aircraft center of gravity during mance.
•	e trim arrangement that allows the most favorable aircraft perfor	ne pilot to adjust the aircraft center of gravity during mance.
C) an adjustabl wing`s keel.	le trim arrangement that allows th	ne center of gravity to shift fore and aft along the
137.	PLT114	LSP
Which aircraft of	component ensures the wing has	a pitch-up tendenacy?
A) Keel pocket.		
B) Luff lines.		
C) Washout roo	d.	
138.	PLT147	LSP
,	•	ch to a runway equipped with a standard 2-bar D. This means that the aircraft is
A) above the gl	lide slope.	
B) below the gl	ide slope.	
C) on the glide	slope.	
139.	PLT123	LSP
Why should gyravoided?	roplane operations within the cro	ss-hatched portion of a Height vs. Velocity chart be

B) Sufficient airspeed ma	uild excessively high if it is necessary to flar ay not be available to ensure a safe landing surface can dephase the blade dampers cau ystem.	in case of an engine failure.	
140.	PLT123	LSP	
Why should gyroplane opavoided?	perations within the cross-hatched portion o	f a Height vs. Velocity chart be	
B) Sufficient airspeed ma	uild excessively high if it is necessary to flar ay not be available to ensure a safe landing surface can dephase the blade dampers cau ystem.	in case of an engine failure.	
141.	PLT011	LSP	
(Refer to figure 40.) Dete	ermine the total takeoff distance required for are is 95 °F and the pressure altitude is 1,70	a gyroplane to clear a 50-foot	
142.	PLT011	LSP	
(Refer to figure 40.) Dete	ermine the total landing distance to clear a 5 ure (OAT) is 75°F and the pressure altitude	<u> </u>	
143.	PLT373	LSP	
The principal factor limiting the never-exceed speed (VNE) of a gyroplane is A) turbulence and altitude. B) blade-tip speed, which must remain below the speed of sound. C) lack of sufficient cyclic stick control to compensate for dissymmetry of lift or retreating blade stall, depending on which occurs first.			
144.	PLT149	LSP	
Select the true statemen	t concerning gyroplane taxi procedures.		
A) Taxi speed should be limited to no faster than a brisk walk in ideal conditions.			
B) The cyclic stick should be held in the neutral position at all times.			
C) The cyclic stick should be held slightly aft of neutral at all times.			

145.	PLT149	LSP				
What precaution should be taken while taxiing a gyroplane?						
A) The cyclic stick should be held in the neutral position at all times.						
B) Avoid abrupt control movements when blades are turning.						
C) The cyclic stic	ck should be held slightly a	ft of neutral at all times.				
146.	PLT259	LSP				
If ground resona	nce is experienced during	rotor spin-up, what action should you take?				
A) Taxi to a smo	oth area.					
B) Make a norma	al takeoff immediately.					
C) Close the thro	ottle and slowly raise the sp	pin-up lever.				
147.	PLT259	LSP				
If the pilot experi	ences ground resonance,	and the rotor r.p.m. is not sufficient for flight,				
A) open the throttle full and liftoff.						
B) apply the roto	r brake and stop the rotor a	as soon as possible.				
C) attempt to tak	eoff at that power setting.					
148.	PLT259	LSP				
If ground resona	nce is experienced during	rotor spin-up, what action should you take?				
A) Taxi to a smo	oth area.					
B) Make a norma	al takeoff immediately.					
C) Close the thro	ottle and slowly raise the sp	oin-up lever.				
149.	PLT259	LSP				
If ground resona	nce is experienced during	rotor spin-up, what action should you take?				
A) Taxi to a smooth area.						
B) Make a normal takeoff immediately.						
C) Close the thro	ottle and slowly raise the sp	pin-up lever.				
150.	PLT149	LSP				
Select the true s	tatement concerning gyrop	lane taxi procedures.				
A) Avoid abrupt control movements when blades are turning.						
B) The cyclic stick should be held in the neutral position at all times.						
C) The cyclic stic	ck should be held slightly a	ft of neutral at all times.				
151.	PLT149	LSP				



GIVEN:	WEIGHT	MOMENT
Gyroplane basic weight	1,315	154.0 (oil included)
Pilot weight	145	?
Passenger weight	153	?
27 gal fuel	162	?

The CG is located

- A) outside the CG envelope; the maximum gross weight is exceeded.
- B) outside the CG envelope; but the maximum gross weight is not exceeded.
- C) within the CG envelope; neither maximum gross weight nor gross-weight moment is exceeded.

157.	PLT021 LSP
(Refer to figure 36.)	
GIVEN:	WEIGHT MOMENT
Gyroplane basic weight	1,315 150.1 (oil included)
Pilot weight	140 ?
Passenger weight	150 ?
27 gal fuel	162 ?
The OO is leasted	

The CG is located

158.

- A) outside the CG envelope; the maximum gross weight is exceeded.
- B) outside the CG envelope; the maximum gross weight and the gross-weight moment are exceeded.
- C) within the CG envelope; neither maximum gross weight nor gross-weight moment is exceeded.

PLT021 LSP

(Refer to figure 36.)		
GIVEN:	WEIGHT	MOMENT
Gyroplane basic weight	1,315	154.0 (oil included)
Pilot weight	145	?
Passenger weight	153	?
27 gal fuel	162	?
The CG is located		

- The CG is located
- A) outside the CG envelope; the maximum gross weight is exceeded.
- B) outside the CG envelope; but the maximum gross weight is not exceeded.
- C) within the CG envelope; neither maximum gross weight nor gross-weight moment is exceeded.