03/15/200	.) /	

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, and maps that are needed to successfully respond to certain test items. Use the following URL to download a complete list of associated supplement books: http://av-info.faa.gov/data/computertesting/supplements.
pdf

1.	H921	LSP
1.	H921	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. H914 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. H912 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. H917 LSP

An airplane said to be inherently stable will

- A) be difficult to stall.
- B) require less effort to control.
- C) not spin.
- 5. H919 LSP

The angle of attack at which an airfoil stalls will

,	ne regardless of gross weight.	
C) change with an	increase in gross weight.	
A) should be avoid	J13 patterns while descending create ded. I whenever possible.	LSP specific collision hazards and
	J23 nergency where Air Traffic Contro quency can be used to establish o	LSP of (ATC) assistance is desired and not already in communications?
onger a factor wh A) the other aircra	en ft turns away or is on a diverging with the other aircraft is lost.	LSP red by Air Traffic Control (ATC), traffic is no course.
	erformance.	LSP raft performance?
10. What effect does a A) Increases taked B) Increases taked C) Decreases taked	off distance.	LSP keoff performance?
11. An electrical syste	H927	LSP
an electrical syste	m railure (battery and alternator) (occurs during flight. In this situation, you would

A) expendice	avionics equipment failure	•
B) probably exand avionics	•	ine ignition system, fuel gauges, aircraft lighting system,
		e to the loss of the engine-driven fuel pump and also t, lights, and all instruments that require alternating current.
12.	H931	LSP
What does the	e red line on an airspeed in	dicator represent?
A) Maneuverii	ng speed.	
B) Turbulent of	or rough-air speed.	
C) Never-exce	eed speed.	
13.	H931	LSP
Under what co	ondition is indicated altitude	the same as true altitude?
A) If the altime	eter has no mechanical erro	or.
B) When at se	ea level under standard cor	ditions.
C) When at 18	3,000 feet MSL with the alti	meter set at 29.92.
14.	H931	LSP
What is press	ure altitude?	
A) The indicat	ed altitude corrected for po	sition and installation error.
B) The altitude	e indicated when the baron	netric pressure scale is set to 29.92.
C) The indicat	ted altitude corrected for no	enstandard temperature and pressure.
15.	H931	LSP
What is absolu	ute altitude?	
A) The altitude	e read directly from the altir	neter.
B) The vertica	Il distance of the aircraft ab	ove the surface.
C) The height	above the standard datum	plane.
16.	H931	LSP
What is true a	ltitude?	
A) The vertica	Il distance of the aircraft ab	ove sea level.
B) The vertica	I distance of the aircraft ab	ove the surface.
C) The height	above the standard datum	plane.
17.	H927	LSP
Filling the fuel because this	_	the day is considered a good operating procedure

A) force any ex	isting water to the top of th	he tank away from the fuel lines to the engine.
B) prevent expa	ansion of the fuel by elimir	nating airspace in the tanks.
C) prevent mois	sture condensation by elin	ninating airspace in the tanks.
18.	H927	LSP
To properly pur	_	stem of an aircraft equipped with fuel tank sumps and a fuel
A) fuel strainer	drain.	
B) lowest point	in the fuel system.	
C) fuel strainer	drain and the fuel tank su	mps.
19.	H931	LSP
The pitot syster A) Altimeter.	m provides impact pressui	re for which instrument?
B) Vertical-spe	ed indicator.	
C) Airspeed ind	licator.	
20.	H931	LSP
If the pitot tube	and outside static vents b	ecome clogged, which instruments would be affected?
A) The altimete	er, airspeed indicator, and	turn-and-slip indicator.
B) The altimete	er, airspeed indicator, and	vertical speed indicator.
C) The altimete	er, attitude indicator, and to	urn-and-slip indicator.
21.	H927	LSP
Which condition	n is most favorable to the	development of carburetor icing?
A) Any tempera	ature below freezing and a	relative humidity of less than 50 percent.
B) Temperature	e between 32 and 50 °F ar	nd low humidity.
C) Temperature	e between 20 and 70 °F a	nd high humidity.
22.	H927	LSP
Which condition	n is most favorable to the	development of carburetor icing?
A) Any tempera	ature below freezing and a	relative humidity of less than 50 percent.
B) Temperature	e between 32 and 50 °F ar	nd low humidity.
C) Temperature	e between 20 and 70 °F a	nd high humidity.
23.	H928	LSP
On aircraft equi	ipped with fuel pumps, wh	en is the auxiliary electric driven pump used?
•	to aid the engine-driven fu	

,	e-driven fuel pump fails. in starting the engine.	
24.	H928	LSP
One purpose of the domain of t	erformance. oution.	ircraft engine is to provide for
25.	H928	LSP
takeoff, the initial corr A) lean the mixture.	ective action to take would thtly to increase airspeed.	itch propeller) is detonating during climb-out after lbe to
26.	H928	LSP
The uncontrolled firing A) combustion. B) pre-ignition. C) detonation.	g of the fuel/air charge in a	dvance of normal spark ignition is known as
27.	H944	LSP
What effect does high efficiency and why?	n density altitude, as comp	ared to low density altitude, have on propeller
,	sed due to less friction on	• •
B) Efficiency is reduce density altitudes.	ed because the propeller e	exerts less force at high density altitudes than at love
C) Efficiency is reduce	ed due to the increased fo	rce of the propeller in the thinner air.
28.	J03	LSP
A) there are obstruction B) that weather at the	•	airspace is below basic VFR weather minimums.
29. A below glide slope in A) red light signal.	J03 ndication from a tri-color V	LSP ASI is a

B) pink light sigr C) green light si		
30.	J05	LSP
(Refer to figure (A) landing. B) taxiing and ta C) taxiing and la	akeoff.	nway identified by the letter A may be used for
31.	H516	LSP
A) Neutral.	airplane with strong quart on the side from which the	tering tailwinds, which aileron position should be used?
	the side from which the w	
32.	B08	LSP
A) Depart in any B) Make all turn	direction consistent with s	re procedure to use at a noncontrolled airport? safety, after crossing the airport boundary. sablished for the airport.
33.	J34	LSP
operations at Sil A) notes on the B) the Airport/Fa	66, area 2 and legend 1.) In the legend 1.) In t	For information about the parachute jumping and glider ation.
34.	J27	LSP
What wind cond period of time?	lition prolongs the hazards	of wake turbulence on a landing runway for the longest
A) Light quarteri	ing headwind.	
B) Direct tailwin	d.	
C) Light quarter	ing tailwind.	
35.	H975	LSP
Sport Pilot minir is	num flight visibility for Clas	ss E airspace less than 10,000 feet mean sea level (MSL)
A) 2,000 feet ho	rizontal.	

B) 3 statute miles. C) 3 nautical miles.		
o) o naulicai miles.		
36.	B08	LSP
Airspace at an airport w	vith a part-time control tower is	classified as Class D airspace only
A) when the prevailing	visibility is below 3 statute miles	3.
B) when the associated	d control tower is in operation.	
C) when the associated	d Flight Service Station is in ope	ration.
37.	J10	LSP
Military Training Routes	s (IR) on sectional charts, is to eand to allow the military to cond	FR Military Training Routes (VR) and IFR ensure the greatest practical level of safety uct
B) radar instrument trai	ning.	
C) air-to-air refueling tra	aining.	
38.	J11	LSP
	sues the following advisory to a EASTBOUND` Where should	pilot flying on a heading of 270°: `TRAFFIC I the pilot look for this traffic?
A) North.		
B) South.		
C) West.		
39.	J09	LSP
	·	ay exist in restricted areas such as R-5302B?
•	ble, hazards such as aerial gun	•
,	vities that necessitate acrobatic	•
C) High volume of pilot	training or an unusual type of a	erial activity.
40.	J37	LSP
Refer to figure 60, poir	nt 6) The floor of the Class E air	space over the town of Commerce is
A) 1,200 feet MSL.		
3) 700 feet AGL.		
C) 1,200 feet AGL.		
41.	J29	LSP
		horizontally; therefore, the towers should be
avoided horizontally by		-

A) 2,000 feet	horizontally.	
B) 300 feet ho	orizontally.	
C) 1,000 feet	horizontally.	
42.	H935	LSP
How should a	n aircraft preflight inspection	be accomplished for the first flight of the day?
A) Quick walk	around with a check of gas a	and oil.
B) Any seque	nce as determined by the pilo	ot-in-command.
C) Thorough a	and systematic means recom	mended by the manufacturer.
43.	H935	LSP
Consistent ad	lherence to approved checklis	sts is a sign of a
A) disciplined	and competent pilot.	
B) pilot who la	acks the required knowledge.	
C) low-time pi	ilot.	
44.	H942	LSP
Climb perform	nance depends upon the	
A) reserve po	wer or thrust.	
B) maximum I	L/D ratio.	
C) cruise pow	er setting.	
45.	H973	LSP
To scan prope	erly for traffic, a pilot should	
A) slowly swe	ep the field of vision from one	e side to the other at intervals.
B) concentrate	e on any peripheral movemer	nt detected.
C) use a serie		eye movements that bring successive areas of the sky
46.	H942	LSP
Maximum end	durance is obtained at the poi	nt of minimum power to maintain the aircraft
A) in steady, I	evel flight.	
B) in a long ra	ange descent.	
C) at its slowe	est possible indicated airspee	d.
47.	J21	LSP
Pilots who be	come apprehensive for their s	safety for any reason should
A) request as:	sistance immediately.	

B) reduce their situatio C) change their mindse		
•		LSP defined by
A) Power, pitch, bank, B) Thrust, lift, turns, an		LSP aircraft.
50.To avoid missing important appropriate checklisB) placarded airspeedsC) airworthiness certific	S.	LSP
registered aircraft is bri	iefed and instructed on how and whether seat belt and shoulder harnes	
52.The direct cause of evenA) angle of attack.B) density altitude.C) upward vertical velo		LSP
53. The most critical condition weight, altitude, tempe A) unfavorable wind.		LSP e result of some combination of high gross

B) obstacles sur	rounding the runway.	
C) powerplant s	ystems.	
	10-	
54. 	J27	LSP
	-	n the generating aircraft is
A) light, dirty, ar	nd fast.	
B) heavy, dirty,		
C) heavy, clean	, and slow.	
55.	H945	LSP
	d economy of operation a operated at the recomme	are the principal goals, the pilot must ensure that the ended
A) specific endu	rance.	
B) long-range cr	ruise performance.	
C) equivalent ai	rspeed.	
56.	L05	LSP
What is the anti	dote when a pilot has the	hazardous attitude of `Invulnerability`?
A) It can not be	that bad.	
B) It could happ	en to me.	
C) It will not hap	ppen to me.	
57.	J31	LSP
The most effecti hours is to use	ive method of scanning for	or other aircraft for collision avoidance during daylight
A) regularly spa	ced concentration on the	3-, 9-, and 12-o'clock positions.
B) a series of sh	ort, regularly spaced eye	e movements to search each 10-degree sector.
C) peripheral vis	sion by scanning small se	ectors and utilizing offcenter viewing.
58.	H985	LSP
	asurements on a Sectior the course because the	nal Aeronautical Chart should be made at a meridian near
A) values of iso	gonic lines change from p	point to point.
B) angles forme	d by isogonic lines and li	nes of latitude vary from point to point.
C) angles forme	ed by lines of longitude ar	nd the course line vary from point to point.
59.	J37	LSP
(Refer to figure : A) 700 feet AGL		e overlying Mc Kinney (TKI) is controlled from the surface to

B) 2,900 feet	MSL.		
C) 2,500 feet	MSL.		
60.	J11	LSP	
The Federal A	Aviation Administration publicati	on that provides the aviation community with basic edures for use in the National Airspace System of the	е
A) Aeronautic	cal Information Manual (AIM).		
B) Airport/Fac	cility Directory (A/FD).		
C) Advisory C	Circular Checklist (AC 00-2).		
61.	H966	LSP	
	te listing of information provided hay be decoded, refer to the	in an Airport/Facility Directory (A/FD) and how the	
A) "Directory	Legend Sample" located in the	ront of each A/FD.	
B) Aeronautic	cal Information Manual (AIM).		
C) legend on	sectional, VFR terminal area, a	nd world aeronautical charts.	
62.	H966	LSP	
Flight Service	•	a local nature. NOTAM-Ls are maintained at each eir area only. NOTAM-L information for other FSS e FSS	
A) that has re	sponsibility for the airport conce	erned.	
B) with which	the pilot communicates.		
C) where the	flight plan is filed.		
63.	A108	LSP	
How long doe	es the Airworthiness Certificate of	of an aircraft remain valid?	
A) As long as	the aircraft has a current Regis	tration Certificate.	
B) Indefinitely	v, unless the aircraft suffers major	or damage.	
C) As long as	the aircraft is maintained and c	perated as required by Federal Aviation Regulations	3.
64.	A14	LSP	
May a pilot op	perate an aircraft that is not in co	ompliance with an Airworthiness Directive (AD)?	
A) Yes, AD's	are only voluntary.		
B) Yes, if allo	wed by the AD.		
C) Yes, under	r VFR conditions only.		
65.	B08	LSP	

Except when necessary for takeoff or landing, what is the moperate an aircraft anywhere?	inimum safe altitude for a pilot to
A) An altitude allowing, if a power unit fails, an emergency la or property on the surface.	anding without undue hazard to persons
B) An altitude of 500 feet above the surface and no closer the vehicle, or structure.	nan 500 feet to any person, vessel,
C) An altitude of 500 feet above the highest obstacle within	a horizontal radius of 1,000 feet.
66. G13	_SP
How many days after an accident is a report required to be A) 2. B) 7. C) 10.	filed with the nearest NTSB field office?
67. H960	LSP
What should pilots state initially when telephoning a weather information? A) Tell the number of occupants on board.	
B) Identify themselves as pilots.	
C) State their total flight time.	
68. I30 LSP	
Thunderstorms which generally produce the most intense h A) squall line thunderstorms. B) air mass thunderstorms. C) warm front thunderstorms.	azard to aircraft are
69. I30 LSP	
What conditions are necessary for the formation of thunders 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.	storms?
70. H102 Problems caused by overloading an aircraft include A) reduced climb rate, excessive structural loads, and short B) increased service ceiling, increased angle of climb, and i C) slower takeoff speed, increased maneuverability, and sh	ncreased cruising speed.

71.	O30	LSP
The term `weigh-off` m	neans to determine the	
A) static equilibrium of	the balloon as loaded for flight.	
3) amount of gas requ	ired for an ascent to a preselected	altitude.
C) standard weight and	d balance of the balloon.	
	11404	100
72.	H401	LSP
The litting forces which being	n act on a not air balloon are prima	rily the result of the interior air temperature
A) greater than ambier	•	
3) less than ambient to	·	
C) equal to ambient te	mperature.	
73.	O30	LSP
The term `weigh-off` m	neans to determine the	
G	the balloon as loaded for flight.	
,	ired for an ascent to a preselected	altitude.
	d balance of the balloon.	
•		
74.	B08	LSP
A steady green light signit signit	gnal directed from the control towe	r to an aircraft in flight is a signal that the
A) is cleared to land.		
3) should give way to	other aircraft and continue circling.	
C) should return for lar	nding.	
7 5.	H931	LSP
	the altimeter from 29.15 to 29.85,	
A) 70-foot increase in i	·	mat onango occaro.
B) 70-foot increase in o		
C) 700-foot increase in	•	
76.	H427	LSP
On cold days, it may b	e necessary to preheat the propan	e tanks because
A) the temperature of t	the liquid propane controls the burn	ner pressure during combustion.
3) there may be ice in	the lines to the burner.	
C) the propane needs	to be thawed from a solid to a liqui	d state.

77.	O220	LSP
How should a balloon	n fuel system be checked for leaks prior	to flight?
A) Listen and smell.		
B) Check all connecti	ons with a lighted match.	
C) Cover all connection	ons and tubing with soapy water.	
78.	H404	LSP
In addition to the requoreflight?	uired documents, what carry-on equipm	ent should be accounted for during
A) Flotation gear.		
B) Emergency locator	r transmitter.	
C) Two means of bur	ner ignition.	
70	11407	1.05
79.	H407	LSP
	be fired during preflight to determine	
•	re and condition of the valves.	
,	functions properly on each tank.	
C) if there are any lea	aks in the tank.	
80.	O220	LSP
If ample propane is a	vailable, within which temperature rang sure for burner operation during flight?	e will propane vaporize sufficiently to
A) 0 to 30 °F.		
B) 10 to 30 °F.		
C) 30 to 90 °F.		
81.	O220	LSP
While in flight, ice beg caused by	gins forming on the outside of the fuel to	ank in use. This would most likely be
A) water in the fuel.		
B) a leak in the fuel li	ne.	
C) vaporized fuel inst	ead of liquid fuel being drawn from the	tank into the main burner.
00	0000	1.00
82.	O220	LSP
Burner efficiency of a above MSL?	hot air balloon decreases approximate	ely what percent for each 1,000 feet
A) 4 percent.		
B) 8 percent.		
C) 15 percent.		

83.	J09	LSP	
A balloon flight through	a restricted area is		
A) permitted at certain	times, but only with prior permission	on by the appropriate authority.	
B) permitted anytime, b	out caution should be exercised be	ecause of high-speed military aircraft.	
C) never permitted.			
84.	H415	LSP	
	with a blast valve, the blast valve	is used for	
A) climbs and descents	s only.		
B) altitude control.			
C) emergencies only.			
85.	O265	LSP	
When landing a free ba	alloon, what should the occupants	do to minimize landing shock?	
A) Be seated on the flo	or of the basket.		
B) Stand with knees sli	ghtly bent, in the center of the gor	ndola, facing the direction of movement.	
C) Stand back-to-back	and hold onto the load ring.		
86.	O30	LSP	
What causes false lift w	which sometimes occurs during lau	unch procedures?	
A) Closing the maneuv	•	·	
B) Excessive temperate	ure within the envelope.		
C) Venturi effect of the	wind on the envelope.		
87.	⊔ 440	LSP	
	H418 ard when climbing at maximum ra		
A) The envelope may of	•	te:	
B) Deflation ports may	·		
,	may extinguish the burner and pil	lot light	
o, me rapid new or an	Thay extinguion the barrier and ph	ot light.	
88.	H418	LSP	
It may be possible to m	ake changes in the direction of flig	ght in a hot air balloon by	
A) flying a constant atm	nospheric pressure gradient.		
B) operating at differen	t flight altitudes.		
C) operating above the friction level, if there is no gradient wind.			
89.	H418	LSP	

A) Wind shea	ar can cavitate one side of the	envelope, forcing air out of the mouth.
B) The pilot li	ight cannot remain lit with the t	curbulent air over the basket.
C) Aerodynaı	mic forces may collapse the er	nvelope.
90.	H415	LSP
In a balloon,	best fuel economy in level fligh	nt can be accomplished by
A) riding the	haze line in a temperature inve	ersion.
B) short blast	ts of heat at high frequency.	
C) long blasts	s of heat at low frequency.	
91.	O265	LSP
When landing	g a free balloon, what should t	he occupants do to minimize landing shock?
A) Be seated	on the floor of the basket.	
B) Stand with	n knees slightly bent, in the cer	nter of the gondola, facing the direction of movement.
C) Stand bac	ck-to-back and hold onto the lo	ad ring.
92.	J37	LSP
railroad. Wha	at minimum altitude must it ma it least 500 feet? /ISL.	ched at the town of Edenton drifts northeasterly along the intain to clear all of the obstacles in the vicinity of
C) 1,015 feet		
93.	J37	LSP
lighted obsta	cle. If the altimeter was set to be balloon is to clear the obstacle MSL. MSL.	ched at Flying S Airport drifts southward towards the the current altimeter setting upon launch, what should it e at 500 feet above the top?
94.	J37	LSP
(Refer to figu	ire 57, area 4.) The airspace d	irectly overlying Fort Worth Meacham is
A) Class B ai	irspace to 10,000 feet MSL.	
B) Class C ai	irspace to 5,000 feet MSL.	
C) Class D ai	irspace to 3 200 feet MSI	

What is a hazard of rapid descents?

95.	J37	LSP
lighted obstacle. If the	altimeter was set to t	hed at Flying S Airport drifts southward towards the he current altimeter setting upon launch, what should it at 200 feet above the top?
96.	J37	LSP
		verlying and within 5 miles of Barnes County Airport is
	•	floor of the overlying Class E airspace.
B) Class E airspace from		
C) Class G airspace fr	om the surface to 700) feet AGL.
97.	J37	LSP
(Refer to figure 57, are in the congested area A) 2,555 feet MSL. B) 3,449 feet MSL. C) 3,349 feet MSL.		altitude is required to fly over the Cedar Hill TV towers
98.	J37	LSP
(Refer to figure 26, are in the congested area A) 2,555 feet MSL. B) 3,449 feet MSL. C) 3,349 feet MSL.	•	altitude is required to fly over the Cedar Hill TV towers
99.	H982	LSP
(Refer to figure 66, are	ea 2.) If a balloon is la what should be its app Airport. Id southwest of Granit	unched at Ranch Aero (Pvt) Airport with a reported wind proximate position after 2 hours of flight?
100.	B07	LSP
The person directly res	sponsible for the pre-l	aunch briefing of passengers for a flight is the
A) safety officer.		
B) pilot in command.		

C) ground crewmember.		
101.Which preflight action is sA) Check the aircraft logbB) Become familiar with aC) Review wake turbulence	ooks for appropriate en Il available information	concerning the flight.
102.What condition does a risA) Decreasing clouds andB) Chances of thunderstoC) Approaching frontal ac	wind. rms.	LSP or balloon operations?
103.What constitutes the payleA) Total gross weight.B) Total weight of passenC) Weight of the aircraft a	gers, cargo, and fuel.	LSP
104.The best speed to use for amount ofA) altitude.B) fuel.C) drag.	H536 a glide is one that will r	LSP esult in the greatest glide distance for a given
	e the flight controls, (2)I	LSP of flight controls between pilots includes these have the flight controls and (3)
106.Haze creates which of theA) Being at a greater distantB) Being at a closer distant	ance from the runway.	LSP illusions?

C) Haze creates no	atomospheric illusions.	
107.	H1116	LSP
•	lamestown Airport (area 4), h	Barnes County Airport (area 6) with sufficient ow long will it take for the flight at an average of 40
A) 20 minutes.		
B) 27 minutes.		
C) 48 minutes.		
108.	H1116	LSP
•	st Airport, south of Caddo Mil	over Caddo Mills Airport with sufficient altitude to s. How long will it take for the flight at an average of
A) 31 minutes.		
B) 27 minutes.		
C) 25 minutes.		
109.	J37	LSP
(Refer to figure 59,	area 1.) Identify the airspace	over Lowe Airport.
A) Class G airspac	e - surface up to but not inclu	ding 18,000 feet MSL.
B) Class G airspace 14,500 feet MSL.	e - surface up to but not inclu	ding 700 feet MSL, Class E airspace - 700 feet to
	e - surface up to but not inclunction inclunction in the contraction of the contraction o	ding 1,200 feet AGL, Class E airspace - 1,200 feet
110.	A66	LSP
Unless otherwise s	pecified, Federal Airways inc	lude that Class E airspace extending upward from
A) 700 feet above t	he surface up to and includin	g 17,999 feet MSL.
B) 1,200 feet above	e the surface up to and includ	ing 17,999 feet MSL.
C) the surface up to	o and including 18,000 feet M	SL.
111.	J13	LSP
	ed at a towered airport and th . You are considered clear of	e tower tells you to contact ground control when the runway when
A) all parts of the a	ircraft have crossed the hold	line.
B) the aircraft cock	oit is clear of the hold line.	
C) the tail of the air	craft is clear of the runway ed	dge.

112.	H1041	LSP
What corrective action show ground and the sailplane is	-	oilot take during takeoff if the towplane is still on the ing to the left?
A) Crab into the wind by ho	olding upwind (righ	it) rudder pressure.
B) Crab into the wind so as	to maintain a pos	sition directly behind the towplane.
C) Establish a right wing lo	w drift correction t	o remain in the flightpath of the towplane.
113.	l35	LSP
Which is considered to be t thunderstorms?	he most hazardou	us condition when soaring in the vicinity of
A) Static electricity.		
B) Lightning.		
C) Wind shear and turbuler	nce.	
114.	135	LSP
		est suitable for soaring flight?
A) Shortly after sunrise.	a breeze nont mo	as suitable for soaring hight:
B) During the early forenoo	ın	
C) During the afternoon.	11.	
o) builing the alternoon.		
115.	P01	LSP
Under which condition will a	an airship float in f	the air?
A) When buoyant force equal drag.	ıals horizontal equ	uilibrium existing between propeller thrust and airship
B) When buoyant force is levolume being displaced.	ess than the differ	ence between airship weight and the weight of the air
C) When buoyant force equivolume being displaced.	uals the difference	between airship weight and the weight of the air
116.	P04	LSP
The pressure height of an a	airship is the altitu	de at which
A) the airship would be una	able to gain more a	altitude.
B) gas pressure would read	ch 3 inches of wat	er.
C) the ballonet(s) would be	empty.	
117.	P11	LSP
If an airship should experie restarted, what initial imme		engines during flight and neither engine can be the pilot take?
		ling before control and envelope shape are lost.
		= · · · · · · · · · · · · · · · · · · ·

· ·	y auxiliary power unit must be s flation can be maintained.	started for electrical power to the airscoop blowers
		as a free balloon are necessary.
118.	P01	LSP
An airship descen	ding through a steep temperate	ure inversion will
A) show no chang	e in superheat as altitude is los	st.
B) show a decreas	se in superheat as altitude is lo	st.
C) become progre	essively lighter, thus becoming	increasingly more difficult to drive down.
119.	P01	LSP
An airship descen	ding through a steep temperate	ure inversion will
A) show no chang	e in superheat as altitude is los	st.
B) show a decreas	se in superheat as altitude is lo	st.
C) become progre	essively lighter, thus becoming	increasingly more difficult to drive down.
120.	P01	LSP
During flight in an	airship, when is vertical equilib	rium established?
A) When buoyanc	y is greater than airship weight	•
B) When buoyanc	y equals airship weight.	
C) When buoyand	ry is less than airship weight.	
121.	P01	LSP
During flight in an	airship, when is vertical equilib	rium established?
A) When buoyanc	y is greater than airship weight	
B) When buoyand	y equals airship weight.	
C) When buoyand	y is less than airship weight.	
122.	H983	LSP
` •	th-southeast on Victor 15 at 11	ot VORTAC (area 1) at 1056 and over the creek 8 08. What should be the approximate position on
A) Over Lake Nett	tie National Wildlife Refuge.	
B) Crossing the ro	ad east of Underwood.	
C) Over the powe	rlines east of Washburn Airport	
123.	H981	LSP
	3, area 2.) Which airport is locat 53 minutes 00 seconds W long	ted at approximately 47° 39 minutes 30 seconds N itude?

A) Linrud.		
B) Crooked Lake.		
C) Johnson.		
124.	H983	LSP
the intersection of the arrive over the Bonha		Quitman VOR-DME area 2) at 0940 and then over at 0948. Approximately what time should the flight
A) 1109.B) 1117.C) 1138.		
C) 1136.		
125.	P04	LSP
	urface is determined by	each (under a given atmospheric condition) and then
126.	P04	LSP
	ne envelope.	
127.	H940	LSP
	ided in the empty weight o	
A) Unusable fuel and	. ,	
B) Only the airframe,	powerplant, and optional	equipment.
C) Full fuel tanks and	I engine oil to capacity.	
128.	H09	LSP
An electrical system flight. In this situation	•	ator) occurs in a magneto equipped aircraft during
,	•	e loss of the engine-driven fuel pump and also s, and all instruments that require alternating current.
B) probably experience and avionics equipme		nition system, fuel gauges, aircraft lighting system,
C) experience avionic	s equipment failure.	

129.	H07	LSP
One purpose of the dual ig A) system redundancy in th B) uniform heat distribution C) balanced cylinder head	ne ignition system.	two-cycle engine is to provide for
130. (Refer to figure 64.) The tra	J13 affic patterns indica	LSP ted in the segmented circle have been arranged to
avoid flights over an area tA) south of the airport.B) north of the airport.C) southeast of the airport.	o the	
131.	H22	LSP
One of the functions of the	wing`s crosstube is	s to
A) hold the wings open.		
B) provide surface to grip aC) provide an attachment p		
132.	H22	LSP
On some trikes, the hang p	oint is part of	
A) a variable trim arrangen flight to obtain the most fav		pilot to adjust the aircraft center of gravity during ormance.
B) an adjustable trim arran flight to obtain the most fav		the pilot to adjust the aircraft center of gravity during ormance.
C) an adjustable trim arran wing`s keel.	gement that allows	the center of gravity to shift fore and aft along the
133.	H22	LSP
Which aircraft component of	ensures the wing h	as a pitch-up tendenacy?
A) Keel pocket.		
B) Luff lines.		
C) Washout rod.		
134.	J03	LSP
(Refer to figure 65.) While lights appear as shown by		o a runway equipped with a standard 2-bar VASI, the means that the aircraft is
A) above the glide slope.		

pe.	
H765	LSP
e operations within the cross	s-hatched portion of a Height vs. Velocity chart be
y build excessively high if it	is necessary to flare at such low altitudes.
may not be available to ens	sure a safe landing in case of an engine failure.
ne surface can dephase the or system.	blade dampers causing geometric unbalanced
H762	LSP
miting the never-exceed spe	ed (VNE) of a gyroplane is
tude.	
hich must remain below the	speed of sound.
clic stick control to compensoccurs first.	sate for dissymmetry of lift or retreating blade stall
H781	LSP
nent concerning gyroplane ta	axi procedures.
be limited to no faster than	a brisk walk in ideal conditions.
ould be held in the neutral p	
ould be held slightly aft of ne	eutral at all times.
H780	LSP
uld be taken while taxiing a g	gyroplane?
ould be held in the neutral pe	osition at all times.
ol movements when blades	are turning.
ould be held slightly aft of ne	eutral at all times.
H796	LSP
s experienced during rotor s	pin-up, what action should you take?
rea.	
eoff immediately.	
and slowly raise the spin-up	lever.
H796	LSP
	e rotor r.p.m. is not sufficient for flight,
ıll and liftoff.	
	H765 e operations within the cross y build excessively high if it may not be available to ensure surface can dephase the r system. H762 miting the never-exceed spectude. mich must remain below the relic stick control to compensor occurs first. H781 ment concerning gyroplane to be limited to no faster than bould be held in the neutral proposed by the proposed of the concerning and the relic stick control to compensor occurs first. H781 ment concerning gyroplane to be limited to no faster than bould be held in the neutral proposed of the concerning and the relic stick control to compensor occurs first. H786 seexperienced during a concerning and the relic stick control to compensor occurs first. H780 and be limited to no faster than bould be held slightly aft of neutral proposed of the concerning and the relic stick control to compensor occurs first. H781 ment concerning gyroplane to be limited to no faster than bould be held slightly aft of neutral proposed of the concerning and the relic stick control to compensor occurs first. H780 and be taken while taxiing a concerning and the relic stick control to compensor occurs first. H780 and be taken while taxiing a concerning and the relic stick control to compensor occurs first. H780 and be taken while taxiing a concerning and the relic stick control to compensor occurs first. H780 and be taken while taxiing a concerning and the relic stick control to compensor occurs first. H780 and be taken while taxiing a concerning and the relic stick control to compensor occurs first. H780 and be taken while taxiing a concerning and the relic stick control to compensor occurs first. H780 and be taken while taxiing a concerning and the relic stick control to compensor occurs first.

B) apply the rotor brake and C) attempt to takeoff at that p	stop the rotor as soon as possible.			
141.If ground resonance is experA) Taxi to a smooth area.B) Make a normal takeoff imC) Close the throttle and slow	•	LSP ction should you take?		
142.If ground resonance is experA) Taxi to a smooth area.B) Make a normal takeoff imC) Close the throttle and slow	•	LSP ction should you take?		
143. H766 LSP Select the true statement concerning gyroplane 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 stick should be held slightly aft of neutral at all times.				
A) Taxi speed should be limiB) The cyclic stick should be	H766 ncerning gyroplane taxi procedures. ted to no faster than a brisk walk in held in the neutral position at all time held slightly aft of neutral at all time	ideal conditions. nes.		
145. H766 LSP Select the true statement concerning gyroplane 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 stick should be held slightly aft of neutral at all times.				
A) simultaneously to the sam B) simultaneously but to diffe	G	LSP nange pitch		

147. H766		LSP					
During the transition from pre-rotation to flight, all rotor blades change pitch							
A) simultaneously to the same angle of incidence.							
B) simultaneously but to different angles of incidence.							
C) to the same degree at the same point in the cycle of rotation.							
148.	H777	LSP					
(Refer to figure 36.)							
GIVEN:	WEIGH1	Γ MOMENT					
Gyroplane basic weight	1,315	150.1 (oil included)					
Pilot weight	140	?					
Passenger weight	150	?					
27 gal fuel	162	?					
The CG is located							
A) outside the CG envelope; the maximum g	ross weigh	nt 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.							
149.	H777	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							
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	n gross we	ight nor gross-weight moment is exceeded.					

H777 LSP

(Refer to figure 36.)	
GIVEN:	WEIGHT MOMENT
Gyroplane basic weight	1,315 150.1 (oil included)
Pilot weight	140 ?
Passenger weight	150 ?

150.

27 gal fuel 162 ?

The CG is located

- 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.

151.	H777	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	?
TI 00: I ()		

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.