07/07/2008

Bank: (Flight Engineer)

Airman Knowledge Test Question Bank

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1. PLT305 FEX

A purpose of leading edge slats on high performance wings is to

- A) decrease lift at relatively slow speeds.
- B) improve aileron control during low angles of attack.
- C) direct air from the high-pressure area under the leading edge along the top of the wing.

2. PLT305 FEX

A purpose of leading edge slats on high performance wings is to

- A) increase lift at relative slow speeds.
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- C) direct air from the low-pressure area under the leading edge along the top of the wing.

3. PLT305 FEX

A purpose of leading edge flaps is to

- A) increase the camber of the wing.
- B) reduce lift without increasing airspeed.
- C) direct airflow over the top of the wing at high angles of attack.

4. PLT473 FEX

Which of the following is considered an auxiliary flight control?

- A) Ruddervator.
- B) Upper rudder.
- C) Leading-edge flaps.

5. PLT477 FEX

The use of a slot in the leading edge of the wing enables an airplane to land at a slower speed because it

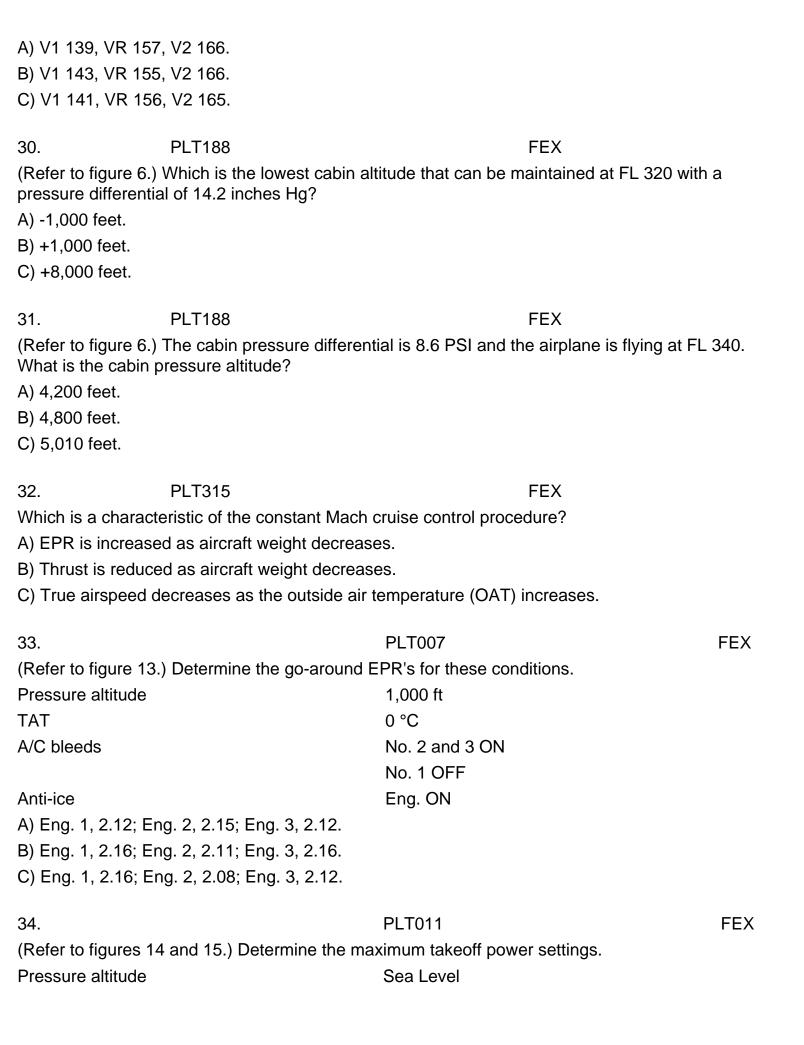
A) changes the camber of the wing.

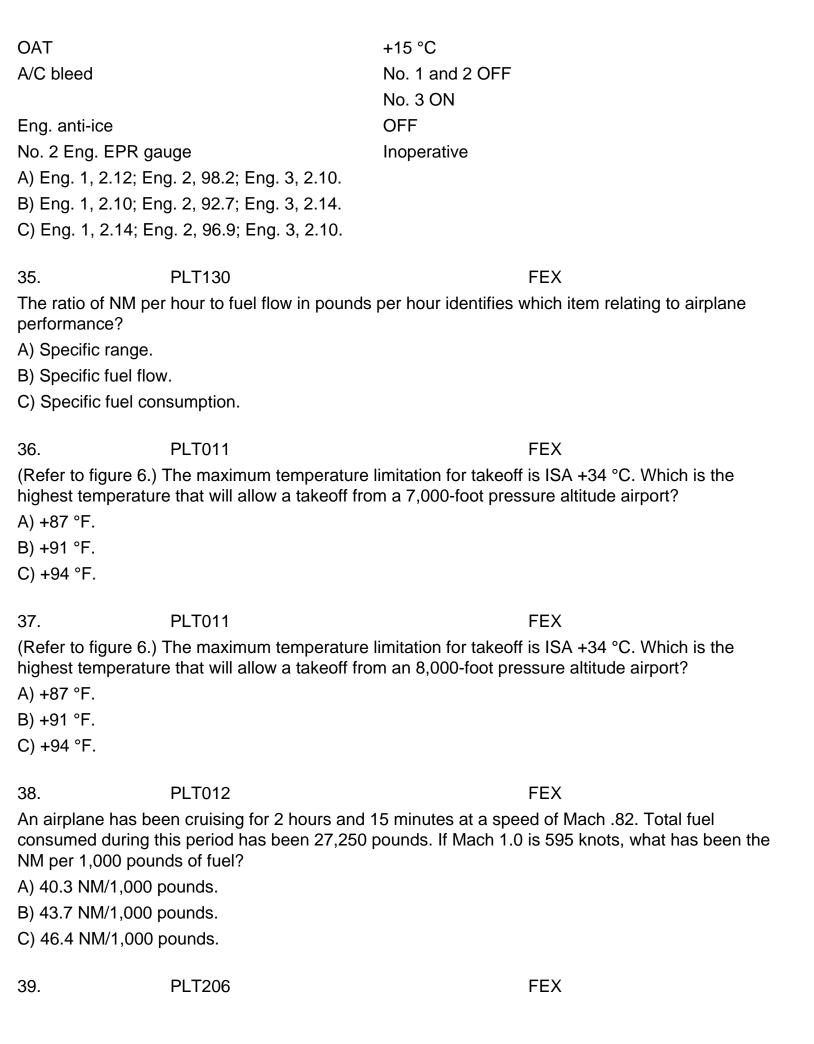
,	e stall to a higher angle of attack. es the upper surface boundary layer air.	
,		
ô.	PLT235	FEX
The purpose	of vortex generators mounted on the horizontal st	abilizer is to
A) decrease	drag at high airspeeds.	
3) increase e	elevator effectiveness at high speeds.	
C) prevent flo	ow separation over the elevator at very slow speed	ds.
7.	PLT244	FEX
A purpose of	wing mounted vortex generators is to	
A) prevent sh	nock induced separation of air from the wing.	
3) increase t	he onset of drag divergence and aid in aileron effe	ectiveness at high speed.
C) break the	airflow over the wing so the stall will progress from	n the root out to the tip of the wing.
3.	PLT366	FEX
The purpose	of vortex generators mounted on the vertical fin u	pstream of the rudder is to
A) decrease	drag at slow airspeeds.	
3) maintain r	udder effectiveness at high speed.	
•	ow separation over the rudder during extreme ang	les of yaw.
, .		•
9.	PLT366	FEX
What is a dis	advantage of wing mounted vortex generators?	
A) Drag is inc	creased slightly at slow airspeeds.	
B) Parasite d	lrag increases significantly at high airspeeds.	
C) Shock ind	uced flow separation from vortex generators incre	ases control surface buffet.
10.	PLT315	FEX
The speed at	t which the airflow over the wing first reaches the s	speed of sound is known as the
A) Reynolds	number.	
3) transonic		
C) critical Ma		
11.	PLT032	FEX
	speeds are considered to be from	
4) Mach 0.5	·	
3) Mach 0.75 3) Mach 0.75		
C) Mach 0.75		
oriviauli U./i	J 10 6.U.	

12.	PLT315	FEX
Mach number is co	mmonly defined as the	
A) ratio of true airsp	peed to the speed of sound.	
3) ratio of equivale	nt airspeed to the speed of sound.	
C) speed of sound	under conditions of standard pressure and tem	perature.
40	DI T400	
13.	PLT168	FEX
	ct airplane performance in flight?	
	ack for CL (max) will be increased by 2° to 6°. er film on the wings and fuselage decreases dr	20
•	occur due to raindrop impact roughing the wate	-
0) A 1033 OF IIIT WIII	occur due to ramarop impact roughing the water	i illii on the wings.
14.	PLT214	FEX
The purpose of swe	eeping wings back approximately 30° to 35° is t	0
A) minimize dutch r	roll.	
3) reduce high-spe	ed drag.	
C) provide aileron o	control when the root of the wing approaches th	e critical angle of attack.
15.	PLT237	FEX
	creasing air density have on lift and drag?	
A) Lift and drag will	· · ·	
	and drag will decrease.	
C) Lift will decrease	e and drag will increase.	
10	DI T040	FFV
16. Mat will course on	PLT248	FEX
	airplane to skid in flight when entering a turn? d without enough bank.	
•	without enough rudder.	
•	er without enough bank.	
<i>5</i>) 100 maon 1444	or without offought barns	
17.	PLT244	FEX
What will cause an	airplane to slip in flight when entering a turn?	
A) Too much bank	without enough speed.	
•	without enough rudder.	
C) Too much rudde	er without enough bank.	
18.	PLT124	FEX
= -	· ·	

Which is the most	adverse effect on airplane performance caused	by rain?
A) The water film is	s roughed by the impact of the raindrops.	
B) Raindrops impa	ct the airplane in a downward and backward dir	ection.
C) When raindrops	s contact the airplane unevenly, pitching or rolling	ng moments may occur.
19.	PLT214	FEX
Shock-induced sep may result in	paration of airflow occurring symmetrically near	the wing root of a sweptback wing
A) severe porpoisi	ng due to an attempt to recover control while un	der reverse command.
B) a high-speed st	all and sudden pitchup due to the center of pres	ssure moving forward on the wing.
C) a severe diving downwash on the	moment, due to the center of pressure moving horizontal tail.	aft on the wing and a decrease of
20.	PLT244	FEX
The purpose of air A) increase lateral	plane wing dihedral angle is to stability.	
B) increase longitu	idinal stability.	
C) increase lift coe	efficient of the wing.	
21.	PLT244	FEX
When will power a	pplications cause the greatest change in airplar	ne trim and stability?
A) When on a pow	er approach at low airspeeds.	
B) Operation at hig	gh gross weight and low airspeed.	
C) When power is	applied simultaneously with a configuration cha	nge.
22.	PLT244	FEX
What is the primar	y source of directional stability for an airplane?	
A) CG position.		
B) Vertical tail.		
C) Horizontal tail.		
23.	PLT502	FEX
What is the signific	cance of a flashing red ATCT light gun signal?	
	sonnel should clear the taxiway.	
•	should exercise extreme caution.	
C) Aircraft on the o	ground should return to their starting point on the	e airport.
24.	PLT002	FEX
		

True airspeed is d	etermined by correcting				
A) equivalent airsp	peed for compressibility.				
B) equivalent airsp	peed for nonstandard temper	ature and humidity.			
C) equivalent airsp	peed for the air-density variat	tion from the standa	ard value at sea leve	∍l.	
25.	PLT124		FEX		
An airplane is clim	bing at Mach .78. The true a	irspeed will			
A) increase with a	ltitude.				
B) increase as pre	essure decreases.				
C) decrease as the	e temperature decreases.				
26.	PLT124		FEX		
Which is an advan	tage of flying a jet at high alt	itudes?			
A) Lower tempera	tures increase engine efficier	ncy.			
B) Thrust increase	es as the density of the air de	creases.			
C) Lower engine F	RPM's will result in decreased	d specific fuel cons	umption.		
27.	PLT328		FEX		
Which factor is mo	st significant when determin	ing the optimum cru	uise altitude availab	le?	
A) Winds aloft and	I temperature forecast.				
B) Fuel requireme	nt to climb to altitude.				
C) Gross weight o	f the airplane at the beginnin	g of the cruise.			
28.	PLT123		FEX		
Takeoff speed limi flight manual are	its V1, VR, and V2, contained	d in performance ch	arts and tables of th	ne airpla	ine
A) true airspeeds.					
B) indicated airspe	eeds.				
C) corrected airsp	eeds.				
29.		PLT011		FEX	
	Compute the V speeds for t		ons:		
Gross weight	от том и том	310,000 lb			
Pressure altitude		428 ft			
OAT		+96 °F			
Flaps		15°			95°
Headwind		15 kts			50
Airport		SEA RWY 16			
mport		JEANWI IU			





What is the lo A) 0 °C. 3) +5 °F.	west ambient temperature that e	engine ice is likely to form?
C) -40 °F.		
40.	PLT117	FEX
Which is a rea	ason for heating cockpit windows	3?
A) Deicing.		
B) Anti-icing.		
C) Prevent th	ermal shock.	
41.	PLT263	FEX
	craft is equipped with heated inle tem usually activated during fligh	et ducts and airfoil leading edges. When is this type of et?
A) It is operat	ed continuously while in flight.	
B) At all times	s when the OAT is below freezing	g.
C) Whenever	icing conditions are first encoun	tered or are expected to occur.
42.	PLT108	FEX
	•	hat maintains normal windshield temperature?
A) Thermistor		
B) Electronic	•	
C) Thermal of	verheat switches.	
43.	PLT206	FEX
	ighest ambient temperature that ist air and +45 °F.	ice is likely to form in the engine inlet?
B) Visibly mo	ist air and +70 °F.	
C) Relatively	dry air and +32 °F.	
44.	PLT206	FEX
What is the m	ost prevalent condition for engin	e icing?
A) High-engir	ne speed in flight.	
3) Low-engin	e speed on the ground.	
C) High-engir	ne speed on the ground.	
4 5.	PLT108	FEX

What will caus iced closed?	se the EPR indication to dec	ease falsely if the Pt probe at the engine nose dome is
A) The Pt prob	oe vent will act as a Ps prob).
B) Anti-ice air	will pressurize the nose do	ne and the vent hole causing a decrease in EPR.
C) The reduce pressure.	ed inlet area causes pressu	e to increase, and magnifies the influence of ram air
46.	PLT109	FEX
	ssary to periodically comple electrolyte levels.	ely discharge and recharge a nickel-cadmium battery?
B) To eliminat	e cell imbalance and loss o	capacity.
C) To dissolve	e nickel oxide formations on	positive cells to restore capacity.
47.	PLT207	FEX
How may the	state of charge of a lead-ac	d battery be determined?
A) Ammeter.		
B) Voltmeter.		
C) Hydromete	r.	
48.	PLT207	FEX
What condition	n characterizes a thermal ru	naway?
A) Increased r	esistance of the battery to i	put current.
B) High tempe	erature and undercharging a	a constant rate.
C) Continuous	rising current and increasi	g battery temperature.
49.	PLT207	FEX
What is the ap twenty cells?	proximate nominal voltage	ating of a fully charged nickel-cadmium battery containing
A) 12 volts.		
B) 20 volts.		
C) 25 volts.		
50.	PLT207	FEX
What is a fund	tion of the separator cellop	ane in a nickel-cadmium battery?
A) Inhibits the	rmal runaway.	
B) Separates	negative and positive cells.	
C) Prevents e	ectrolyte leakage and conta	mination.
51.	PLT207	FEX

What chemical is u A) Nickel oxide. B) Nickel hydroxide C) Potassium hydro		ells?
A) Prevent overload B) Fast blow design	PLT207 e of a fuse-type current limiter? ds in low power circuits. n prevents damage to sensitive circuits or equipitiods of overload before the fuse link melts and	
53. What is the function A) Protects the ligh B) Protects the wiri	PLT207 n of the circuit breaker in the instrument lighting ts from too much current. ng from too much current. sive voltage from reaching the wiring.	FEX
A) are not used as B) are used in all ci	PLT207 systems, automatic reset circuit breakers circuit protective devices. ircuits essential to safe operation of the aircraft ations where only temporary overloads are enc	
A) Controls remote B) Prevents static b	PLT207 e of an electrical relay? , high current equipment items with a small swi buildup by connecting shock mounted equipment gears, moves locking pins or other mechanical	nt to ground.
56. Aircraft fuse capaci A) volts. B) watts. C) amperes.	PLT207 ities are rated in	FEX
57. What type voltage v A) Real voltage.	PLT207 will be produced if an ac generator is being driv	FEX ren, but there is no field excitation?

B) Residual vol C) Reactive vol		
58.	PLT207	FEX
The purpose of	a constant speed drive for an ac generator is to	
A) control field	strength.	
B) regulate ger	nerator voltage.	
C) maintain a u	niform frequency.	
59.	PLT207	FEX
Which is a purp	oose of a transformer rectifier?	
A) Converts 11	5 volts ac, 400-Hz to 28 volts dc.	
B) Changes do	to alternating 26 volts or 115 volts, 400-Hz power	r.
C) Operates en	nergency flight instruments and radios from the a	irplane battery.
60.	PLT207	FEX
What is a purpo	ose of a rotary inverter?	
A) Change 115	volts ac to 28 volts dc.	
B) Convert dc t	o 115 volts, 400-Hz power.	
C) Transform 2	6/29 volts dc to 115/200 volts dc.	
61.	PLT207	FEX
Which is a feat	ure of a parallel bus electrical system?	
A) External pov	wer may be paralleled with operating generators.	
B) The electrication	al load is automatically redistributed when one ge	nerator fails.
C) Each genera	ator supplies power separately from the other ger	nerators to its respective bus.
62.	PLT207	FEX
The purpose of	a KVAR meter is to	
A) display the g	generator frequency.	
B) measure the	e work being performed.	
C) indicate how	hard the generator is working to produce the po-	wer being used.
63.	PLT207	FEX
Which are prote	ective functions of an ac generator control unit?	
A) Open phase	, underexcitation, and overvoltage.	
B) Undervoltag	e, differential fault, and manual paralleling.	
C) Generator u	nderspeed and bus-tie circuit-breaker automatic	closing.

64.	PLT207	FEX
The purpose o	of a KW meter is to	
A) display the	generator frequency.	
B) measure th	ne work being performed.	
C) indicate ho	w hard the generator is wo	king to produce the power being used.
65.	PLT207	FEX
How are airpla	ane ac generators rated?	
A) Volts.		
B) Kilowatts (I	KW).	
C) Kilovolt-am	nps (KVA).	
66.	PLT207	FEX
Generating sy	stems are paralleled to	
A) obtain equa	al generator loads.	
B) obtain equa	al generator voltages.	
C) connect all	buses together when the g	enerators have exactly the same (parallel) voltage output.
67.	PLT207	FEX
How are elect	rical generators rated?	
A) Watts at ra	ted voltage.	
B) Amperes a	t rated voltage.	
C) Voltage at	rated amperes.	
68.	PLT207	FEX
What increase	es or decreases the voltage	of a generator so it carries its share of the load?
A) Current lim	iter.	
B) Paralleling	circuit.	
C) Reverse cu	urrent cut-out relay.	
69.	PLT207	FEX
What type of o	gas is released by a nickel-o	cadmium battery during charging?
A) Toxic nicke	el hydroxide.	
B) Oxygen an	d explosive hydrogen.	
C) Highly com	bustible acetylene and oxy	gen.
70.	PLT044	FEX

What is a pu	rpose of enclosing wires or	electrical units in metal?
A) Eliminates	s ground wires.	
B) Prevents	the buildup of static dischar	ges.
C) Eliminates	s interference with radio red	eption.
71.	PLT207	FEX
	s a surge of current when in ce of filaments or elements	candescent lamps or electric heaters are first turned on?
A) increases	when heated.	
B) is high un	til they are heated by the cu	ırrent.
C) decreases	s as the temperature reach	es maximum.
72.	PLT207	FEX
What is an a	dvantage of using 115 volts	s, 400-Hz alternating current?
A) High volta	age and low current reduces	s wire size and weight requirements.
B) Commuta	tors may be used with ac m	notors to decrease repair intervals and costs.
C) The ac sin motors.	ngle-phase induction motor	s are self-starting, making it possible to use lightweight
73.	PLT207	FEX
What is an a	dvantage of using 115 volts	s, 400-Hz alternating current?
A) High-volta	age ac motors are smaller a	nd lighter than equivalent dc-powered motors.
B) Inductive	reactance at high frequency	y increases current and more efficient power transmission.
C) The ac voweight.	oltage may be changed eas	lly by the use of rectifiers which reduces wire size and
74.	PLT044	FEX
The purpose	of static wicks is to	
A) decrease	the probability of lightning of	damage to such elements as control hinges.
B) dissipate	static charges from control	surfaces into the air to prevent radio interference.
-	_	ng charges produced in the aircraft structure.
75.	PLT207	FEX
Which type of	of terminal is considered un	satisfactory for general electrical systems?
A) Swaged.		
B) Crimped.		
C) Soldered.		
76.	PLT346	FEX

What is a p	ourpose of electrical bonding jumpers?	
A) Prevent	static electricity discharges between pa	arts of the structure.
B) Provide	a high-resistance path for electrical eq	uipment to reduce radio interference.
C) Minimize	e electrolytic corrosion by connecting d	issimilar metals to form an integral unit.
77.	PLT124	FEX
What is a p	surpose of electrical bonding jumpers?	
A) Decreas	e the probability of lightning damage to	such elements as control hinges.
B) Minimize	e electrolytic corrosion by connecting the	ne airplane parts to form an integral unit.
C) Provide	a high-resistance path for electrical eq	uipment, thereby eliminating ground wires.
78.	PLT044	FEX
What is the	purpose of null field dischargers?	
A) Decreas	e the probability of lightning damage to	such elements as control hinges.
B) Dissipate	e static charges from control surfaces i	nto the air to prevent radio interference.
C) Prevent	radio static noise by equalizing charge	s produced in the aircraft structure.
79.	PLT207	FEX
What unit c	of power is used in dc electrical circuits	?
A) Volts.		
B) Watts.		
C) Amperes	S.	
80.	PLT327	FEX
What is the	indication of a thermal discharge of a	gaseous oxygen system?
A) The blow	vout disk is ruptured.	
B) The pres	ssure gauge indicates zero.	
C) The hea	t sensitive paint marks change from wl	nite to black.
81.	PLT326	FEX
What identi	fies an expended chemical oxygen ge	nerator?
A) The dire	ct reading pressure gauge indicates ze	ero.
B) The hea	t sensitive paint mark has changed from	n white to black.
C) The gree	en plastic disk is missing from the com	mon discharge indicator.
82.	PLT326	FEX
	en flow condition should exist if the oxy d the supply lever is on?	gen regulator selector is placed in the emergency

A) 100 perce	ent oxygen available on demand.	
B) Continuo	us flow of diluted oxygen under po	ositive pressure.
C) Continuo	us flow of 100 percent oxygen und	der positive pressure.
83.	PLT135	FEX
When does	a diluter-demand oxygen system	deliver oxygen to the user?
A) Each time	e the user takes a breath.	
B) When the	diluter control is set at normal.	
C) Anytime t	he user demands 100 percent ox	ygen.
84.	PLT326	FEX
Which is a d	esign feature of an oronasal oxyg	en mask?
A) Covers or	nly the mouth.	
B) Covers or	nly the mouth and nose.	
C) Covers th	ne mouth, nose, and eyes.	
85.	PLT327	FEX
What is one	danger of any oxygen leak?	
A) Oxygen b	eing highly flammable may cause	e combustible materials to burn intensely.
B) Combusticonditions.	ble materials will ignite more rapid	dly and burn with greater intensity in oxygen rich
	on source may ignite highly explo s in poorly vented areas.	sive oxygen which over a period of time saturates the
86.	PLT326	FEX
Why must or	xygen not be permitted to come ir	n contact with oil, grease, or solvents?
A) Oxygen is	s highly flammable and will cause	petroleum products to burn or explode.
B) Oxygen o	contact with petroleum products ca	an cause spontaneous fires or explosions.
C) Gaseous explosive mi		d will combine with petroleum to form a highly
87.	PLT326	FEX
What is an a	dvantage of a chemical over a ga	seous oxygen system?
A) Fire haza	rds are reduced by eliminating ox	ygen lines.
B) Chemical	systems may be shutoff at any tie	me after they are activated.
C) Reliability	is improved by interconnecting ir	ndividual chemical units.
88.	PLT326	FEX

Which type of oxygen system is the flight deck equipped with normally?

A) Constant-flow.		
B) Phase dilution.		
C) Diluter-demand		
89.	PLT326	FEX
What type of oxyg	en system is used for passengers?	
A) Demand.		
B) Constant-flow.		
C) Diluter-demand		
90.	PLT326	FEX
	ould be selected on the diluter-demand oxygen i	egulator if there is smoke in the
cockpit?		
A) Normal.		
B) Emergency.		
C) 100 percent.		
91.	PLT135	FEX
	gives an indication of the rate of change in cabi	
measurement is us		
A) Pressure contro	oller, PSI.	
B) Cabin vertical-v	elocity indicator, PSI.	
C) Cabin vertical-v	relocity indicator, feet per minute.	
92.	PLT108	FEX
When may rain rep	pellent be applied to a windshield?	
A) Prior to entering	g rain.	
B) After it starts ra	ining.	
C) Whenever the v	windshield is dirty.	
93.	PLT108	FEX
		TEX
	s correct when applying liquid rain repellent? on as soon as rain begins, to form a barrier betw	soon the rain and the windshield
	llent first, then activate the windshield wipers to	
	-	spread the repellent.
o, italii lepelleill s	should not be used to clean a windshield.	
94.	PLT137	FEX
	ng system produces cold air by	
,	· , ,	

A) passing h	neated air through a compress	or.
B) passing a	air through an expansion turbin	e and extracting heat energy.
C) passing a	air through cooling coils that co	ontain a volume of refrigerant.
95.	PLT137	FEX
Which comp	oonents make up the basic air-	cycle cooling system?
A) Heaters,	coolers, and compressor.	
B) Ram air s	source, compressors, and engi	ne bleeds.
C) A source	of compressed air, heat excha	angers, and a turbine.
96.	PLT137	FEX
Which comp during opera	•	system undergoes a pressure and temperature drop of air
A) Expansion	on turbine.	
B) Primary h	neat exchanger.	
C) Refrigera	ation bypass valve.	
97.	PLT212	FEX
What is use	d primarily as a propellant for i	nstalled fire extinguishing systems?
A) CO2.		
B) Nitrogen.		
C) Hydrogei	n peroxide.	
98.	PLT212	FEX
From a stan turbojet airp		n hazard, which fire extinguishing agent is safest to use in
A) Carbon d	lioxide.	
B) Methyl bi	romide.	
C) Chlorobr	omomethane.	
99.	PLT212	FEX
Which indicates engine?	ates that a fire extinguishing sy	stem has been intentionally discharged into a turbojet
A) Missing r	ed disc on the side of the fuse	lage.
B) Missing (green disc on the side of the fu	selage.
C) Missing y	yellow disc on the side of the fu	uselage.
100.	PLT212	FEX
On a built-in	n carbon dioxide fire extinguish	ing system, how is a thermal discharge detected?

A) The thermal _I	plug is missing from the side of	the bottle.
B) The red plast	ic disc in the thermal discharge	e line is missing.
C) The yellow p	lastic disc in the thermal discha	arge line is discolored.
101.	PLT212	FEX
(Refer to figure does this indicate	•	ort 3, and a yellow disc is missing from port 1. What
A) Both bottles I	nave been normally discharged	I, but into different engines.
B) Bottle 1 has l	peen normally discharged and	bottle 2 has been thermally discharged.
C) Bottle 2 has l	been normally discharged and	bottle 1 has been thermally discharged.
102.	PLT139	FEX
The optical smo	ke detectors on the flight engin	eer panel correspond to
A) light beam re	sponses to cargo hold air samp	oles.
B) closed circuit	mini-cam installations in the ca	argo hold.
C) translucent s	potter tubes providing a view o	f the cargo holds.
103.	PLT139	FEX
•	ne is equipped with a continuou of false fire warnings?	is-loop fire detection system, which is the most
A) Moisture in th	ne system.	
B) Dents, kinks,	or crushed sensors.	
C) Improper rou	ting or clamping of detector loc	pps.
104.	PLT139	FEX
Which type of fird detector loops?	re detector circuit can continue	to function with either one open or one short in the
A) Continuous lo	oop.	
B) Two-wire the	rmal switch.	
C) Single-wire the	nermal switch.	
105.	PLT346	FEX
Airplanes equip _l during	ped with both inboard and outb	oard ailerons normally use the outboard ailerons only
A) low-speed op	perations.	
B) high-speed o	perations.	
C) low-altitude o	pperations.	
106.	PLT346	FEX

Why do some airplan speeds only?	es equipped with inboard/outbo	pard ailerons use the outboards for slow-flig	ght
B) Increased surface	area provides greater controlla	to twist the wingtips at high speeds. bility with flap extension. ight provides variable flight control feel.	
A) A weight is installe B) The aileron is exte	_	FEX unteract flight loads. the airstream will help move the surface. hinged panel in a compartment ahead of	
108. Which of the following A) Tabs. B) Flaps. C) Outboard ailerons	PLT346 g are considered primary flight o	FEX controls?	
109. When are outboard a A) Low-speed flight. B) High-speed flight. C) Low-speed and hig	PLT346 ilerons normally used? gh-speed flight.	FEX	
110. When are inboard aild A) Low-speed flight o B) High-speed flight o C) Low-speed and hig	only.	FEX	
B) reduce control force	ntrols in the event of manual revees by deflecting in the proper of	FEX version. Iirection to move a primary flight control. flection position due to aerodynamic forces	S .
112.	PLT346	FEX	

Which of the following isA) Slats.B) Elevator.C) Dorsal fin.	considered a primary flight control?	
A) Heavier structure.B) Undesirable spin char	PLT476 of a stabilizer and elevator located at the top racteristics. rudder due to the end plate action of the sta	
A) When the power lever B) When the power lever	PLT139 on warning system sound an alarm in the coor is advanced and the flaps are positioned door is retarded and the flaps are positioned door is advanced and the flaps are not positioned	own. wn.
115.Which direction from theA) Same direction.B) Opposite direction.C) Remains fixed for all p	PLT346 primary control surface does an antiservo to	FEX ab move?
116.Which direction from theA) Same direction.B) Opposite direction.C) Remains fixed for all p	PLT235 primary control surface does a servo tab me	FEX ove?
117.Which of the following isA) Rudder.B) Servo tab.C) Inboard aileron.	PLT473 considered a secondary flight control?	FEX
118.The purpose of a servo tA) move the flight contro	PLT473 ab is to Is in the event of manual reversion.	FEX

•	es by deflecting in the proper direction to nurface from moving to a full deflection posi	
B) reduce control force	PLT366 tiservo tab is to trols in the event of manual reversion. es by deflecting in the proper direction to n urface from moving to a full deflection posi	
120. A purpose of ground s A) reduce the wing's li B) aid in rolling an airp C) increase the rate of	ift upon landing.	FEX
121. A purpose of flight sport A) increase the cambe B) reduce lift without in C) direct airflow over t	er of the wing.	FEX
,		
A) All electric instrume B) Each flight instrume	PLT377 tion of all electric gyro instruments, which is ents must operate off DC current. ent must have a redundant vacuum counter ust have some type of failure indicator sho	erpart.
A) The ratio of airpland B) The ratio of airpland	PLT036 s a Mach meter present? e true airspeed to the speed of sound. e indicated airspeed to the speed of sound e equivalent airspeed, corrected for installa	

	for altitude. rature minus the ram rise fr	FEX rom adiabatic compression of the boundary layer. ctor of the temperature sensor is equal to 100 percent.
A) Through individ	PLT252 y fuel jettisoning accomplish dual outlets in each tank. mon manifold and outlet in pressure into the crossfeed	
A) Electrically heaB) Engine bleed a		
A) EPR will decrease. B) engine may fla	ase significantly. meout from fuel vaporizatio	FEX off, approach, or go-around because the n. as fuel temperatures rise within the oil cooler.
A) reduces the time. B) reduces the ch	PLT251 Je provided by a pressure fune required for fueling. Ances for fuel contaminations raft skin damage from hose	n.
consideration in reA) Gasoline-type f B) Mixing Jet A arrange.	efueling? fuels (Jet B) produce a rich nd JP/4 produces a fuel/vap	FEX the above the fuel in the tanks, which should be a mixture which is easily ignited at normal temperatures. For mixture that is ignitable through a wide temperature of the develop an ignitable mixture at normal
temperatures.	e or set A type ruer is too nit	gh to develop an ignitable mixture at normal

131.	PLT253	FEX		
Which indicator is used to A) OAT.	Which indicator is used to determine if conditions are conducive to formation of ice in the fuel?			
B) Fuel temperature.				
C) Fuel pressure warning	g system.			
132.	PLT253	FEX		
The purpose of a fuel ten	•			
,	eratures are conducive to ice crystal format			
,	eratures are beyond limits for proper combu			
C) correct fuel quantity in	ndicator readings when the temperature is n	ot standard.		
133.	PLT251	FEX		
What is the difference be	etween turbine fuel Jet A and Jet A-1?			
A) Jet A is made for oper	ration at extremely low temperatures.			
B) Jet A-1 is made for op	peration at extremely low temperatures.			
C) Jet A is for use in olde	er turbine aircraft, while Jet A-1 is formulated	d for the newest aircraft.		
134.	PLT342	FEX		
Oil extracts the most hea	at from which turbine engine components?			
A) Turbine bearings.				
B) Compressor bearings.				
C) Accessory drive beari	ngs.			
135.	PLT342	FEX		
If the oil cooler relief valv	re should stick in the open position, what wo	ould be the probable result?		
A) Decreased oil tempera	ature.			
B) Increased oil tempera	ture.			
C) Pressurization of the o	case and oil leakage.			
136.	PLT251	FEX		
Which are examples of w	vide cut turbine fuels?			
A) Jet B and JP-4.				
B) Jet A and JP-4.				
C) Jet A and Jet A-1.				
137.	PLT251	FEX		

Why are jet fuels more susceptible to water contamination than aviati	ion gasonne:
A) Jet fuel has a higher viscosity than gasoline.	
B) Jet fuel is lighter than gasoline, and suspends water easier.	
C) Condensation is greater because of large temperature changes at	t high altitudes.
138. PLT251	FEX
What effect will mixing aviation gasoline with jet fuel have on a turbin	e engine?
A) Engine efficiency is improved.	
B) Tetraethyl lead in the gasoline will be deposited on the turbine blad	des.
C) Tetraethyl lead in the gasoline will be deposited on the compresso	or vanes.
139. PLT251	FEX
What is the difference between Jet A and Jet A-1 fuel?	
A) Jet A is colorless and Jet A-1 is straw colored.	
B) Jet A has a freeze point of -40 °C and Jet A-1 has a freeze point of	of -47 °C.
C) Jet A-1 is a blend of gasoline and kerosene made for operating at	extremely low temperatures.
140. PLT251	FEX
What is the difference between Jet A and Jet B fuel?	
A) Jet A is colorless and Jet B is straw colored.	
B) Jet A has a freeze point of -40 °C and Jet B has a freeze point of -	-47 °C.
C) Jet B is a blend of gasoline and kerosene made for operating at ex	xtremely low temperatures.
141. PLT251	FEX
Which is a drawback of using aviation gasoline mixed with jet fuel?	
A) Turbine and exhaust gas temperatures (EGT) will be higher.	
B) The tetraethyllead (TEL) in gasoline will form deposits on the turbi	ne blades and vanes.
C) Icing generated from moisture held in suspension in gasoline can jet fuel.	be much greater than that in
142. PLT273	FEX
The purpose of a hydraulic accumulator is to	
A) store hydraulic fluid under pressure.	
B) collect hydraulic fluid from system leaks.	
C) gather foam and extract the air before returning it to the reservoir.	
143. PLT273	FEX

	ydraulic pressure gauge indicate ne air side of a diaphragm-type a	when the accumulator charge is lost and the accumulator?	
A) Zero.			
B) System pres	ssure.		
C) Between on	e-third and one-half of the syste	m's operating pressure.	
144.	PLT273	FEX	
An advantage	of a piston-type accumulator is tl	nat it	
A) takes up les	s area than a sphere-type accur	nulator.	
B) may be use	d with higher pressure than a bla	idder-type accumulator.	
C) can store m	ore hydraulic fluid than a diaphra	agm-type accumulator.	
145.	PLT273	FEX	
What is the sig	nificance of the pop-out indicato	r on some hydraulic filters?	
A) Confirmation	n of fluid thermal expansion in th	e gear, flaps, or other systems.	
B) Evidence th	at contaminants may prevent co	mponents such as check valves from operating	j .
C) Indication o	f overfilling and the fluid level of	the hydraulic reservoir should be checked.	
146.	PLT273	FEX	
The purpose o	f a bypass valve in the hydraulic	filter is to	
A) bypass a clo	ogged element.		
B) maintain the	e desired temperature and viscos	sity by controlling the amount of fluid through th	ne unit.
C) ensure adeo freely.	quate flow when the engines are	started until the fluid is warmed sufficiently to	flow
147.	PLT273	FEX	
Why should hy	draulic fluid be filtered?		
A) Water in the	e fluid could freeze.		
B) It assures a	positive feed of foam free fluid to	o the hydraulic pump inlet.	
C) Contaminar	nts may damage the seals and cy	ylinder walls causing internal leakage.	
148.	PLT273	FEX	
What action sh	ould be taken in case of eye cor	tact with any hydraulic fluid?	
A) Apply an ae	sthetic eye dressing.		
B) Flush thorou	ughly with soap and water.		
C) Flush with v	vater and consult a doctor.		
149.	PLT273	FEX	

What should be used to A) Solvent. B) Soap and water. C) Trichlorethylene.	remove Skydrol from your skin?	
A) Slack between fittings	st every eighteen inches.	FEX
151. What is a limitation of M A) Flammable. B) Chemically unstable. C) High viscosity change		FEX
152. What color identifies MII A) Red. B) Amber. C) Green.	PLT273 H-5606?	FEX
153. An advantage of Skydro A) is resistant to water o B) has a wide operating C) is compatible with ve	ontamination.	FEX
154. What color identifies Bra A) Red. B) Amber. C) Green.	PLT273 aco 882?	FEX
155. Why should synthetic hy A) High evaporation rate	PLT273 vdraulic fluid be stored in an airtight contained.	FEX er?

B) Vapor is extremely to:C) Atmospheric moisture		
		FFV
156.	PLT273	FEX
A disadvantage of Skydr		
A) it is incompatible with		
·	below -40 °C should be avoided.	
C) it will break down the	insulation on some electrical wiring.	
157.	PLT273	FEX
Which principle operates	a hydraulic fuse?	
A) Heat.		
B) Electrical.		
C) Differential pressure.		
158.	PLT273	FEX
Which hydraulic operation	on normally uses a double-acting, unbalance	d linear actuator?
A) Brakes.	, o	
B) Landing gear.		
C) Automatic pilot servo.		
159.	PLT273	FEX
Which hydraulic operation	on normally uses a double-acting, balanced I	inear actuator?
A) Brakes.	,	
B) Landing gear.		
C) Automatic pilot servo.		
160.	PLT273	FEX
How may pressure from	an engine-driven hydraulic pump be regulat	ed?
A) Constant speed drive.	•	
B) Variable-displacemen	t pump.	
C) In-line variable restric	tor orifice.	
161.	PLT273	FEX
What is the difference be	etween a hydraulic sequence valve and a pri	ority valve?
A) Sequence valves are	electrically actuated.	
B) Mechanical contact of	pens a priority valve.	
C) Priority valves are ope	ened by hydraulic pressure.	

162.	PLT110	FEX
The purpose of the anti	skid system control box is to	
A) sense wheel speed	change.	
B) prevent landing with	the brakes applied.	
C) meter the brake pres	ssure to prevent stoppage of wheel rotation.	
163.	PLT110	FEX
What item of the antiski	id system enables full braking action during	taxi and parking?
A) The locked-wheel ar	ming circuit is inoperative at taxi speeds.	
B) The antiskid switch is	s manually disarmed on the afterlanding che	ecklist.
	nsors automatically disarm the antiskid syst	em at speeds below about 20
miles per hour.		
164.	PLT110	FEX
The main purpose of a		
A) provide pneumatic b		
B) reduce the hydraulic	_	
	e of fluid going to the brakes.	
,	g g	
165.	PLT110	FEX
One purpose of a brake	e debooster is to	
A) provide emergency b	oraking.	
B) increase the hydraul	ic pressure.	
C) increase the volume	of fluid going to the brakes.	
166.	PLT138	FEX
The purpose of chines		I LX
• •	snow or ice covered runways.	
,	to hydroplane on wet runways.	
,	h away from the engine intakes.	
o) delicet water of clas	n away nom the ongme manee.	
167.	PLT138	FEX
Where should the chine	es be located for a dual nosewheel installation	n?
A) One on each side of	the tires.	
B) On the inside of the	tires only.	
C) On the outside of the	e tires only.	

168.What safety device is acA) Uplock switch.B) Downlock switch.C) Ground safety switch.	PLT139 tuated by the compression and extension of	FEX a landing gear strut?	
169.	PLT138	FEX	
The purpose of fusible p A) prevent tire blowouts.	lugs in aircraft wheels is to		
B) quickly deflate tires fo			
C) protect the antiskid el	•		
170.	PLT138	FEX	
One of the main gear tires has deflated as a result of a thermal fuse melt. What does this mean? A) Heavy braking has overheated the wheel, melted a plastic fuse in the rim, and prevented the danger of a tire blowout.			
B) High tire temperatures the tire to deflate.	s have melted a fusible metal plug installed i	n the aircraft wheel and caused	
, •	the wheel well have caused the tire's tempe nd prevented damage to the wing.	rature sensitive valve core to	
171.	PLT139	FEX	
	ar position warning system provide a warnin	g in the cockpit?	
•	rs are retarded and the gear is in transit.	at matura ata d	
,	rs are advanced and the speed brakes are n		
C) when one power leve	er is retarded below cruise and the gear is do	own and locked.	
172.	PLT139	FEX	
Which of the following co	onditions will cause the landing gear warning	signal to sound?	
A) Power lever retarded below cruise and landing gear not in transit.			
B) One power lever retarded to idle and the landing gear not locked down.			
C) Landing gear locked	down, flaps up, and power levers advanced	above cruise.	
173.	PLT138	FEX	
What tread wear will occ	eur if tires are underinflated?		
A) Uniform wear at a fas			
•	re on the shoulders than in the center.		
C) Accelerated centerline wear while leaving rubber on the shoulder.			

174.	PLT337	FEX
During the walkarour affected if the covers	•	e covers over the pitot probes. Which items will be
A) Airspeed, altimete	r, and autopilot.	
B) Flight recorder, air	rspeed, and autopilot.	
C) Flight recorder, au	utopilot, instantaneous vei	rtical speed indicator, and airspeed.
175.	PLT041	FEX
What will result if the cabin during cruise fli		e line becomes disconnected inside a pressurized
A) The altimeter and	airspeed indicator will bot	th read low.
B) The altimeter and	airspeed indicator will bot	th read high.
C) The altimeter will I	read low and the airspeed	I indicator will read high.
176.	PLT339	FEX
What type of gas is n system?	ormally used to service th	ne air-storage bottles of an emergency pneumatic
A) Nitrogen.		
B) Dry oxygen.		
C) Carbon dioxide.		
177.	PLT342	FEX
What condition will casettings?	ause a high EGT, Wf, and	RPM with a normal EPR indication, at all power
A) FOD.		
B) Bleed valve stuck	open.	
C) Ice in the inlet pre	ssure lines.	
178.	PLT477	FEX
What recovery would	I be appropriate in the even	ent of compressor stall?
•	lever and then rapidly ad lades, creating more airflo	vance the thrust lever to decrease the angle of attack ow.
•	lever and then slowly advection e compressor blades.	vance the thrust lever again to decrease the angle of
C) Advance the thrus more compressor bla	_	airflow and decrease the angle of attack on one or
179.	PLT209	FEX
(Refer to figure 10.) V	What is the indicated spee	ed of the engine low pressure compressor?

A) 94.1 percent		
B) 96.5 percent		
C) 97.0 percent		
180.	PLT499	FEX
		elevated reading if the turbine wheel is damaged?
A) N2.	·	
B) EPR.		
C) EGT or TIT.		
181.	PLT210	FEX
Why should turk	oine engines normally be operated	at idle for a period of time before shutdown?
A) The turbine of	case cools faster and may shrink do	own and seize the turbine blades.
B) Rapid cooling	g of the compressor section may ca	ause cracking of compressor blades.
•	e reduction and stabilization preven	ts a hot combustion chamber from igniting
residual fuel.		
182.	PLT499	FEX
(Refer to figure	9.) Combustion takes place in which	h location?
A) Location 2.		
B) Location 4.		
C) Location 7.		
183.	PLT210	FEX
•	atting an engine down by turning the luring emergencies only?	e boost pumps off and closing the airplane's fuel
A) During a sub	sequent start the engine driven fue	I pump may cavitate causing a hung start.
B) The fuel syst lubricated.	em's service life will be decreased	because fuel wetted components will not be
•	seconds for the fuel to clear the fumal shutdowns.	el lines from the firewall to the fuel controller is
184.	PLT499	FEX
What is the eve	nt sequence for the continuous cor	nbustion cycle of a turbine engine?
A) Intake, comp	ression, combustion, and exhaust.	
B) Intake, press	sure, combustion, and acceleration.	
C) Compression	n, ignition, fuel, expansion and thru	st.
185	PI T343	FFX

Which difference	e does engine pressure ratio m	easure?
A) Uncorrected	compressor inlet pressure and	turbine discharge pressure.
B) Compressor	inlet total pressure corrected fo	or inlet duct loss and turbine discharge total pressure
C) Compressor	outlet total pressure corrected	for temperature and turbine discharge total pressure
186.	PLT209	FEX
What condition	will cause a false, high EPR inc	dication, in flight or on the ground?
A) Bleed valve s	-	, <u>g</u>
•	et pressure lines.	
	e discharge pressure lines.	
187.	PLT499	FEX
	pose of an oil-to-fuel heat exch	
A) cool the oil.	pode of all on to radi float exert	
B) heat the fuel.		
C) decrease oil		
c) accioacc on	violeting.	
188.	PLT499	FEX
(Refer to figure	7.) The internal engine tempera	ature will be the highest at which location?
A) Location 3.	-	_
B) Location 4.		
C) Location 6.		
·		
189.	PLT499	FEX
Which compone operations?	ents in a turbine engine aid in st	tabilization of the compressor during low power
A) Stator vanes.		
B) Bleed air valv	/es.	
C) Pressurizatio	on and dump valves.	
190.	PLT479	FEX
During starting,	what should prevent the engine	e from driving a pneumatic starter to burst speed?
A) Drive shaft sh	near point.	
B) Sprag clutch	assembly.	
C) Design of the	e starter turbine nozzle vanes w	hich causes choking.
191.	PLT479	FEX
During engine s	tart, closing of the start air valv	e may be verified by

, 0	I stabilizing at idle.	
•	pressure increasing slightly.	
C) air manifold	pressure decreasing slightly.	
192.	PLT343	FEX
Which is the mo	ost critical parameter for a turb	ine engine during starting?
A) Oil pressure		
B) EGT.		
C) Starter enga	agement time.	
193.	PLT479	FEX
	o monitor the EGT when startir	
<u>-</u>	ournout or metal distortion.	ig the engines to provent
•	temperature limits from being	exceeded.
•	•	s when accelerating to idle from injuring personnel or
damaging the		, , , , , , , , , , , , , , , , , , ,
194.	PLT479	FEX
It is important to	o note the maximum EGT whe	n starting a turbine engine to
A) determine w	thether the engine must be insp	pected or removed and overhauled.
B) prevent oper distortion.	ration in excess of limits which	may cause compressor burn-through or metal
C) prevent dan ground service		velocities which may cause injury to personnel and
195.	PLT479	FEX
What is the pro	per start sequence for a turbin	e engine?
A) Ignition, star	ter, then fuel.	
B) Starter, ignit	ion, then fuel.	
C) Starter, fuel,	, then ignition.	
196.	PLT479	FEX
Which action sl exceed the tem		ly during the start sequence if the ITT attempts to
A) fuel.		
B) starter.		
C) ignition.		
197.	PLT499	FEX

The speed (RPM referred to as	or percent) of the low pressu	re compressor of a dual compressor engine is	
A) N1.			
B) N2.			
C) N3.			
198.	PLT237	FEX	
A) The range betw B) Decreased aer	veen high and low speed Ma odynamic drag is not as grea	tude for most airplanes during long range flights? ch buffet decreases rapidly above this altitude. It as the decrease in engine thrust above this altity In high angles of attack is greater than the increase	itude.
199.	PLT499	FEX	
How does compre A) Power increase B) Efficiency incre	essor RPM affect the power of es linearly with an increase in eases when compressor blade	utput of a turbofan engine?	ed.
200.	PLT499	FEX	
On most engines (A) 60 knots. B) 100 knots. C) 140 knots.	ram recovery occurs above		
201.	PLT499	FEX	
		an elevated reading if the turbine wheel has	
202.	PLT499	FEX	
Heat and centrifug A) galling. B) creeping. C) stretching.	gal force on turbine blades ca	uses	
203.	PLT342	FEX	

Exceeding the engine tention of the co	mperature limitations may result in	
B) rippling of the trailing	edge of the compressor blades. t angles to the turbine blade leading and trai	iling edges
c) Halline Clacks at right	t angles to the turbline blade leading and trai	iiing eages.
204. The speed (RPM or perd referred to as A) N1. B) N2. C) N3.	PLT499 ent) of the high pressure compressor of a d	FEX ual compressor engine is
205. (Refer to figure 8.) Wher A) Location 1. B) Location 2. C) Location 3.	PLT499 e is the engine high pressure compressor lo	FEX cated?
206. (Refer to figure 9.) When A) Location 1. B) Location 2. C) Location 3.	PLT499 e is the fan inlet case located?	FEX
207. (Refer to figure 8.) When A) Location 2. B) Location 3. C) Location 4.	PLT499 e is the engine low-pressure turbine located	FEX ?
A) increase the pressure B) increase the velocity o	PLT499 le diaphragm located on the upstream side of the exhaust mass. of the heated gases flowing past the nozzle of the heated gases flowing past the nozzle	diaphragm.
209. The purpose of the diffus	PLT499 ser section in a turbine engine is to	FEX

A) convert pressu	re to velocity.	
B) increase press	ure and reduce velocity.	
C) reduce pressur	re and increase velocity.	
210.	PLT343	FEX
In a dual axial-flow	w compressor system the	first stage turbine drives the
A) N1 compressor		
B) N2 compressor	r.	
C) N1 and N2com	pressors.	
211.	PLT499	FEX
How does a chang	ge in altitude affect the lov	w pressure compressor speed of a triple-spool engine?
A) The compresso	or will speed up as altitude	e is increased.
B) The fuel contro	ol will maintain a constant	compressor speed.
C) The compresso	or speed will decrease as	the atmosphere becomes less dense.
212.	PLT499	FEX
(Refer to figure 9.)) Power to drive the N1 co	ompressor comes from the turbine at which location?
A) Location 5.		
B) Location 8.		
C) Location 9.		
213.	PLT499	FEX
(Refer to figure 7.)) The internal engine temp	perature will be the lowest at which location?
A) Location 3.		
B) Location 4.		
C) Location 6.		
214.	PLT499	FEX
(Refer to figure 7.)) The internal engine pres	ssure will be the lowest at which location?
A) Location 4.		
B) Location 5.		
C) Location 6.		
215.	PLT343	FEX
(Refer to figure 7.)) The internal engine pres	ssure will be the highest at which location?
A) Location 4.		
B) Location 5.		

C) Location 6.		
216.	PLT479	FEX
If a turbine engir	ne catches fire internally during th	ne start cycle, what initial action should be taken?
A) Secure all sw	ritches and leave the airplane.	
B) Shut off the fu	uel and continue motoring the sta	rter.
C) Discharge CO	O2 into the inlet duct while continu	uing to motor the engine.
217.	PLT108	FEX
Which is a disac airplane?	lvantage of the one-step over the	two-step process when deicing/anti-icing an
A) It is more con	nplicated.	
B) The holding t	ime is increased.	
C) More fluid is flushed off airpla	•	hen large deposits of ice and snow must be
218.	PLT108	FEX
What precaution	should be taken when using true	ck-mounted deice/anti-ice equipment?
A) Run the airpla	ane engines at idle.	
B) Spray engine	and APU inlets directly.	
C) Spray pitot in	lets and static ports indirectly.	
219.	PLT108	FEX
	deice/anti-ice fluid temperature l	be during the last step of a two-phase process?
A) Hot.		re aming and more property
B) Warm.		
C) Cold.		
220.	PLT108	FEX
Which is an adv	antage of a one-step over a two-s	step process when deicing/anti-icing an airplane?
A) It is quicker.	,	
	ime is minimized.	
,		hen large deposits of ice and snow must be
flushed off the a		
221.	PLT108	FEX
Type 2 deicing/a	anti-icing fluids have a significantl	у
A) longer holdov	ver period than type 1 fluids.	
B) shorter holdo	ver period than type 1 fluids.	

C) lower viscosity than ty	pe 1 fluids.	
222.(Refer to figure 1.) WhichA) Figure 10.B) Figure 11.C) Figure 13.	PLT502 n signal at night means stop?	FEX
223.Which frequency is prefeA) 121.5 Mhz VHF.B) 243.0 Mhz UHF.C) The one in use.	PLT208 rred to declare an emergency to ATC?	FEX
224.Which transponder codeA) 7500.B) 7600.C) 7700.	PLT497 means the airplane is being forced to a new	FEX destination?
225.What identifies a fire extinal A) A square with the letterB) A circle with the letterC) A star with the letter	C.	FEX
226.Which is the preferred meA) Spray with Halon 130°B) Apply a dry powder exC) Blanket the fire with H	ctinguisher.	FEX ound?
B) Emergency handling is	PLT318 imum fuel to ATC imply? ed to the destination airport. s required to the nearest useable airport. on is possible should an undue delay occur.	FEX

228.	PLT326	FEX
What is the con damage?	dition which results from a lac	k of oxygen and results in permanent physical
A) Anoxia.		
B) Hypoxia.		
C) Nitrogen nar	cosis.	
229.	PLT326	FEX
To which position are experienced		or be set when symptoms of hypoxia or hyperventilation
A) Normal.		
B) Emergency.		
C) 100 percent	oxygen.	
230.	PLT331	FEX
•	thout controlled ascent (nonde	ore going to flight altitudes of up to 8000 feet after ecompression stop)?
231.	PLT331	FEX
What is the dan	ger of not allowing sufficient t	ime before flying after scuba diving?
A) Evolved gas	may result in decompression	sickness.
B) Nitrogen nare	cosis may create a serious in-	flight emergency.
C) Excess oxyg	en absorbed during diving ma	ay cause the bends or chokes.
232.	PLT497	FEX
What altitude in	formation is transmitted by Mo	ODE C of the transponder?
A) Pilot's indica	ted altitude.	
B) Altitude in 10)-foot increments.	
C) Altitude with	out barometric pressure corre	ction.
233.	PLT212	FEX
The term fireprowhich other material		can withstand the heat of a fire at least as well as
A) Steel.		
B) Asbestos.		
C) Aluminum al	lov.	

234.	PLT373	FEX
Which CFR gov	verns airplane operations who	en common carriage is not involved?
	5 for cargo flights.	G
,	1 for test flights.	
,	•	
C) CFR part 12	5 for passenger flights.	
235.	PLT398	FEX
Amona the rea	uired items of information on	the dispatch release of a domestic air carrier is the
A) minimum fue		
B) weight and b		
c) name or the	pilot in command.	
236.	PLT405	FEX
Each crewmem	nber shall have available for in	ndividual use on each flight a
A) quick-donnir	ng type oxygen mask.	
B) flashlight in (good working order.	
,	•	uishing Class A, B, and C fires.
,	g. g. a a a a a a a g.	3 , , ,
237.	PLT388	FEX
Which factors n	nust be recorded by the appr	oved flight recorder?
A) Airspeed, tin	ne, altitude, vertical accelerat	ion, and heading.
B) Time, true al	ltitude, calibrated airspeed, v	ertical speed, and heading.
C) Elapsed time	e, airspeed, altitude, vertical a	acceleration, and magnetic course.
238.	PLT448	FEX
aircraft engage		the FAA to flight crewmembers on U.S. registered
A) international	air commerce.	
B) flight crewmo	ember training only.	
C) supplementa	al air carrier operations.	
239.	PLT407	FEX
A flight enginee	er operating under CFR part 1	121 must receive recurrent training on
•		stems within the preceding 6 calendar months.
•		systems within the preceding 12 calendar months.
		systems within the preceding 24 calendar months.
•		· · · · · · · · · · · · · · · · · · ·

240.	PLT440	FEX
Which flight crev	wmember nonessential conver	sation is allowed below 10,000 feet?
A) Discussing st	tock market reports during taxi	
B) Ordering som	nething to drink from the galley	while cruising at 8,000 feet.
C) Confirming a	irplane logbook entries during	climb when clear of the airport traffic area.
241.	PLT409	FEX
What is the fligh additional flight		ons that requires two pilots and at least one
A) 100 hours du	ring any 30-day period.	
B) 300 hours du	ring any 3 calendar months.	
C) 1,000 hours	during any 12 calendar-month	period.
242.	PLT400	FEX
Which documen under CFR part	-	board each domestic air carrier flight conducted
A) Load manifes	st and flight release.	
B) Dispatch rele	ease, load manifest, and flight p	olan.
C) Maintenance	release, weight and balance r	elease, and flight plan.
243.	PLT409	FEX
Duty and rest pe	eriod rules for domestic air car	rier operations require that a flight crewmember
A) not be assign	ned to any duty with the air car	rier during a required rest period.
B) be relieved of	f all duty for at least 48 hours of	during any 7 consecutive days.
C) not be assigr on duty aloft for		at least 18 hours if the flight crewmember had been
244.	PLT438	FEX
A flight crewmer	mber must be able to don and	use a quick-donning type oxygen mask within
A) 5 seconds.		
B) 10 seconds.		
C) 15 seconds.		
245.	PLT413	FEX
	amount of fuel should remain f ll? Forty-five minutes at	or turbine-powered airplanes after jettisoning with the
A) 75 percent m	aximum continuous power.	
B) maximum con	ntinuous power with the critica	l engine inoperative.
C) maximum rar	nge speed after climbing from	sea level to 10,000 feet.

246.	PLT463	FEX
Refusal by a flig inspector is grou		Icohol test results when requested by an FAA
A) revocation of	their flight engineer and pilot co	ertificates.
B) suspension o	f their medical certificate for a p	period of up to 1 year.
C) denial of an a	application for any certificate or	rating for a period of up to 5 years.
247.	PLT386	FEX
until a duplicate	is received, after obtaining a	ite, the privileges of that certificate may be exercised
,	legram from the FAA which is v	•
•		Oklahoma City which is valid for 60 days.
C) temporary ce	rtificate issued by a Flight Stan	dards District Office which is valid for 90 days.
248.	PLT386	FEX
How long may a certificate?	flight engineer use a facsimile	(FAX) in lieu of a lost or destroyed medical
A) 30 days.		
B) 60 days.		
C) 120 days.		
249.	PLT196	FEX
When are ATIS	broadcasts updated?	
A) Only when th	e ceiling or visibility changes by	a reportable value.
B) Every 30 min	utes if weather conditions are b	elow basic VFR, otherwise hourly.
C) Upon receipt	of any official weather, regardle	ess of content change or reported values.
250.	PLT263	FEX
A common type	of ground or surface based ten	perature inversion is that produced by
A) ground radiat	ion on clear cool nights when th	ne wind is light.
B) warm air bein	ng lifted rapidly aloft in the vicini	ty of mountainous terrain.
C) the movemer	nt of colder air over warm air, or	the movement of warm air under cold air.
251.	PLT226	FEX
-	e and dewpoint spread is small eather is most likely to develop	and decreasing, and the temperature is +62 °F.
A) Rain showers	S.	
B) Thunderstorn	ns	

C) Fog or low clouds.		
252.An in-flight condition neoA) visible moisture.B) stratiform clouds.C) cirrostratus clouds.	PLT274 cessary for structural icing to form is	FEX
A) visible water such asB) aerodynamic cooling	PLT274 cessary for structural icing to form is supercooled rain or cloud droplets. of an airfoil to 0 degrees C. e point where moisture strikes the aircraft m	FEX ust be 0 degrees F or colder.
254.What atmospheric conditA) Decreasing humidity.B) Decreasing pressure.C) Decreasing temperat		FEX
A) movement of the air r B) changes in air pressu	PLT510 I changes in the Earth's weather is masses. Ire over the Earth's surface. Irgy received by the Earth's regions.	FEX
256. What is the ICAO standa A) +5 °C. B) +10 °C. C) +59 °F.	PLT492 ard temperature for 5,000 feet?	FEX
A) inches from the forward B) percent of mean aero	PLT003 s normally located in the fuselage at a point of and CG limit. odynamic chord aft of LEMAC. aft of the leading edge of the wing.	FEX expressed in

258.	PLT314	FEX	
Weight X Arm divided by A) index units.	y the Reduction Factor	is the formula used to determine	
B) total moments.			
C) CG from LEMAC.			
259.	PLT008	FEX	
(Refer to figures 46 and conditions No. 2?	47.) What is the airpla	ne weight at the end of cruise under oper	ating
A) 100,860 pounds.			
B) 101,900 pounds.			
C) 110,900 pounds.			
260.		PLT021	FEX
What is the maximum pa	ayload under these co	nditions?	
Basic operating weight		150,000 lb	
Max. zero fuel weight		230,000 lb	
Max. landing weight		245,000 lb	
Max. takeoff weight		320,000 lb	
Fuel tank load		94,500 lb	
Est. fuel burn en route		71,500 lb	
A) 72,000 pounds.			
B) 80,000 pounds.			
C) 84,000 pounds.			
261.		PLT021	FEX
How much weight can b	e added at Station 160	00 without exceeding the aft CG limit?	
Aircraft weight		83,000 lb	
CG location		Station 900	
Aft CG limit		Station 905	
A) 166 pounds.			
B) 597 pounds.			
C) 697 pounds.			
262.	PLT021		FEX
Based on this information	on, the CG will be locat	ed how far aft of datum?	
Weight X	1,330 lb at 117 i	n. aft of datum	
Weight Y	1,110 lb at 110 i	n. aft of datum	

Weight Z A) 126.43 inches. B) 136.43 inches. C) 142.43 inches.	750 lb at 210 in. aft	of datum
263.The CG of an airplaA) lateral axis.B) vertical axis.C) longitudinal axis.	PLT003 ne is computed along the	FEX
264. (Refer to figure 24 a A) 6,964. B) 8,355. C) 10,046.	PLT255 and 25.) How many liters of fu	FEX el are equal to 1,840 U.S. gallons?
265. (Refer to figure 45.) A) 19,300 pounds. B) 24,000 pounds. C) 43,300 pounds.	PLT021 What is the maximum payloa	FEX d under operating conditions No. 1?
266.(Refer to figure 38.)A) 18.0 percent.B) 19.5 percent.C) 23.6 percent.	PLT021 What is the new CG after add	FEX ding weight under operating conditions No. 1?
267.(Refer to figure 42.)1?A) 23.3 percent.B) 27.2 percent.C) 31.9 percent.	PLT021 What is the new CG after ren	FEX noving the weight under operating conditions No.
268. (Refer to figure 37.)	PLT021 What is the loaded CG in per	FEX cent of MAC under operating conditions No. 1?

A) 25.4 percent.		
B) 28.7 percent.		
C) 29.3 percent.		
269.	PLT021	FEX
(Refer to figure 41.) \	What is the new CG after a	dding weight under operating conditions No. 1?
A) 21.1 percent.		
B) 23.4 percent.		
C) 26.7 percent.		
270.	PLT021	FEX
(Refer to figure 49.) \	What is the maximum paylo	oad under operating conditions No. 1?
A) 18,250 pounds.		
B) 18,700 pounds.		
C) 24,700 pounds.		
271.	PLT008	FEX
(Refer to figures 50 a	and 51.) What is the landing	g weight under operating conditions No. 1?
A) 88,850 pounds.		
B) 91,970 pounds.		
C) 102,580 pounds.		
272.	PLT021	FEX
(Refer to figure 33.) \	What is the loaded CG in p	ercent of MAC under operating conditions No. 1?
A) 24.8 percent.		
B) 25.8 percent.		
C) 26.5 percent.		
273.	PLT003	FEX
Before a cargo chanç	ge is made, the following ir	formation is known about an airplane.
Aircraft weight	175,000 lb	
CG		29.5 percent of MAC
Length of MAC	860.2 to 1040.9	in
If 6,500 pounds of ca CG relative to MAC?	_	erage location of Station 1170.0, what is the new
A) 24.0 percent.		
B) 26.8 percent.		
C) 27.6 percent.		

274.		PLT021	FEX	
	Determine the CG in perce			
Basic operating weigh	•	105,000 lb		
Basic operating index		92,827.0		
MAC	, ,	860.2 to 1040.9 in		
Passenger load:				
o		Fwd compartment	22	
		Aft compartment	95	
Cargo load:		·		
3		Fwd hold	1,950 lb	
		Aft hold	900 lb	
Fuel load:				
		Tanks 1 and 3 (each)	11,500 lb	
		Tank 2	Full	
A) 26.2 percent of MA	AC.	-	-	
B) 27.1 percent of MA				
C) 27.9 percent of MA				
275.	PLT021	FEX		
	ne airplane is 155,000 po .0 to move the CG forwa	unds. How much weight must be rrd 1.2 inches?	moved from Station	
A) 352 pounds.				
B) 418 pounds.				
C) 516 pounds.				
276.	PLT121	FEX		
What minimum weigh CG within limits?	t of cargo must be shifted	d from the aft to the forward compa	artment to bring the	
Total weight	165,000 lb			
MAC	Station 860.2	to 1040.9		
CG	34.0 percent of	34.0 percent of MAC		
Aft CG limit	•	32.0 percent of MAC		
Cargo centroids:	·			
•	Fwd	582 in		
	Aft	1028 ir	1	
A) 740 pounds.				
B) 1,032 pounds.				

277.	PLT021	FEX
May 1,000 pounds of baggage be shifted from aft CG limit?	n Station 30.0 to Station 120.0 with	out exceeding the
Total weight	147,500 lb	
CG location	Station 115.8	
Aft CG limit	Station 118.0	
A) Yes, the CG would be located at Station 1	15.19.	
B) No, the new CG would be located at Static	on 118.41.	
C) Yes, the new CG would be located at Stati	ion 116.41.	
278.	PLT021	FEX
(Refer to figure 31.) Determine the CG in inch	nes aft of datum.	
Basic operating weight	105,000 lb	
Basic operating index (Moment/1,000)	92,827.0	
MAC	860.2 to 1040.9 in	
Passenger load:		
	Fwd compartment	27
	Aft compartment	105
Cargo load:		
	Fwd hold	1,800 lb
	Aft hold	800 lb
Fuel load:		
	Tanks 1 and 3 (each)	11,000 lb
	Tank 2	Full
A) 907.6 inches.		
B) 908.2 inches.		
C) 910.8 inches.		
279.	PLT021	FEX
(Refer to figure 31.) Determine the CG in perc	cent of MAC.	
Basic operating weight	105,000 lb	
Basic operating index (Moment/1,000)	92,827.0	
Length of MAC	860.2 to 1040.9 in	
Passenger load:		
	Fwd compartment	Full
	Aft compartment	Full

Fuel load:			
		Tanks 1 and 3 (each)	10,500 lb
		Tank 2	26,000 lb
Cargo load:			
		Fwd hold	2,500 lb
		Aft hold	1,500 lb
A) 25.5 percent of MAC.			
B) 26.6 percent of MAC.			
C) 27.7 percent of MAC.			
280.	PLT021	FEX	
	at is the new CG after the we	eight is moved from the a	aft to the forward
location under operating	conditions No. 1?		
A) 27.5 percent.			
B) 29.8 percent.			
C) 31.2 percent.			
281.	PLT021	FEX	
(Refer to figure 43.) What location under operating	at is the new CG after the we conditions No. 1?	eight is moved from the f	orward to the aft
A) 13.5 percent.			
B) 14.7 percent.			
C) 15.3 percent.			
282.	PLT021	FE	X
What minimum weight of CG within limits.	f cargo must be shifted from	the aft to the forward co	empartment to bring the
Total weight	150,000 lb		
MAC	Station 860.2 to 104	40.9	
CG	33.5 percent of MA	C	
Aft CG limit	32.0 percent of MA		
Cargo centroids:			
	Fwd	582	2 in
	Aft	102	28 in
A) 518 pounds.			
B) 912 pounds.			

C) 1,050 pounds.

283.	PLT021	FEX
(Refer to figure	34.) What is the new CG after a	dding weight under operating conditions No. 1?
A) 20.9 percent		
B) 25.8 percent		
C) 27.9 percent		
284.	PLT021	FEX
•	35.) What is the new CG after the perating conditions No. 1?	e weight is moved from the forward to the aft
A) 18.3 percent		
B) 25.4 percent		
C) 28.7 percent		
285.	PLT242	FEX
Compared to a takeoff performate		ould a 20 knot headwind component have on
A) The effect of	wind on initial acceleration will r	esult in a longer takeoff roll.
B) The airplane	will reach critical engine failure i	ndicated airspeed at a lower groundspeed.
C) Critical engir condition.	ne failure speed and actual grour	ndspeed will be the same as in a zero-wind
286.	PLT245	FEX
The true airspe	ed at which an airplane stalls vai	ries with
A) load factor a	nd angle of attack.	
B) load factor, w	veight, and density altitude.	
C) density altitu	de, weight, and angle of attack.	
287.	PLT303	FEX
The angle of att	ack which produces the highest	L/D ratio
A) increases as	weight or altitude is increased.	
B) remains cons	stant regardless of weight or altit	ude.
C) remains cons	stant as altitude is changed, but	decreases as weight is reduced.
288.	PLT480	FEX
An airplane is in	n equilibrium when	
A) there are no	accelerations and the airplane c	ontinues in steady flight.
B) the airplane i	s disturbed from its flightpath an	d it will return without control use.
C) the airplane	has neither the tendency to cont	inue or return from disturbance displacement.

289.		PLT011		FEX
(Refer to figure 2.) Com	pute the V speeds for	or the following c	onditions.	
Gross weight		250,000 lb		
Pressure altitude		428 ft		
OAT		+80 °F		
Flaps		25°		
Tailwind		5 kts		
Airport		SEA RWY	34	
A) V1 118, VR 132, V2	145.			
B) V1 117, VR 133, V2	144.			
C) V1 121, VR 133, V2	144.			
290.	PLT188		FEX	
(Refer to figure 6.) The ways what is the differential p	-	de is 6,000 feet a	and the airplane a	ıltitude is FL 180.
A) 4.44 PSI.				
B) 4.71 PSI.				
C) 5.46 PSI.				
291.	PLT188		FEX	
(Refer to figure 6.) The what is the cabin altitude	-	rential is 5.46 PS	I and the airplane	altitude is FL 200.
A) 3,200 feet.				
B) 4,400 feet.				
C) 5,000 feet.				
292.	PLT038		FEX	
(Refer to figures 22 and		eoff power settin		conditions No. 1?
A) 234 BMEP.	,		gg	,
B) 204 BMEP.				
C) 59.5 inches manifold	pressure.			
293.	PLT01	2	FEX	
(Refer to figure 29.) How	w much fuel remains	after operating ι	ınder these condi	tions?
Number of engines	4			
Beginning total weight	95,720	lb		
Zero fuel weight	64,850	lb		
ВНР	Pressu	ire Alt.	Spark	Time

1,200 1,100 1,000 A) 2,040 gallons. B) 3,874 gallons. C) 5,145 gallons.		17,000 ft 19,000 ft 19,000 ft	T/O & CL Cruise Cruise	18 min 1 hr 20 min 1 hr 10 min
294. (Refer to figure 30.) How A) 710 pounds. B) 2,917 pounds. C) 3,294 pounds.	PLT012 much fuel i	remains after dumping ur	FEX nder operating cond	ditions No. 1?
295.	PLT127		FEX	
	erature, and altitude are altitude are	increased.	•	e relationship
296. Which is an indication of A) Decrease in propeller B) Manifold pressure (MAC) Backfiring, which is ca	RPM. AP) drop.		FEX	
A) Noncorrosive. B) Much like household I	ye and will o	lectrolyte in a nickel-cadr cause severe burns. olyte in a lead-acid batter	·	
298.What type of electrolyte iA) Boric acid.B) Sulfuric acid.C) Potassium hydroxide.		in a lead-acid battery?	FEX	

299.	PLT207	FEX
What is the nomin	nal voltage rating of a fully charged lead-aci	d battery containing six cells?
A) 6 volts.		
B) 12 volts.		
C) 24 volts.		
300.	PLT207	FEX
What type of gas	is released by a lead-acid battery during ch	narging?
A) Toxic sulfuric	acid.	
B) Flammable ca	rbon dioxide.	
C) Oxygen and e	xplosive hydrogen.	
301.	PLT207	FEX
What will neutrali	ze the electrolyte from a lead-acid battery?	
A) Soap and wate	er.	
B) Bicarbonate of	f soda.	
C) Boric acid, a s	olution of acetic acid, lemon juice, or vinega	ar.
302.	PLT207	FEX
Why is it importar disconnecting the	nt that all electrical loads and power sources battery?	s be turned off before connecting or
A) To prevent dis	charging the battery.	
B) To prevent a s	spark from igniting explosive gas.	
C) To prevent po	wer surges from spiking sensitive equipmer	nt.
303.	PLT208	FEX
How many spare	electrical fuses are required for use in flight	t?
A) One complete	spare set.	
B) Three fuses of	feach size that is installed.	
C) 50 percent for	each rating required but not less than one f	for a particular rating.
304.	PLT207	FEX
What is the differ	ence between a relay and a solenoid?	
A) Relays have m	novable cores.	
B) Solenoids hav	e movable cores.	
C) Relays are use	ed as mechanical control devices.	
305.	PLT207	FEX

Which type volta current? A) Vibrator. B) Solid-state. C) Carbon-pile.	ige regulator uses a variable re	sistance element for controlling dc generator field	d
306.	PLT207	FEX	
, .	voltage? uced that is not in phase with the d in the generator exciter outpu		
C) Voltage produ	uced by permanent magnets wl	nich starts the ac generator output.	
307. If the cabin rate	PLT135 of climb is too great, how shoul	FEX d the pressurization controls be adjusted?	
A) Open the out B) Close the out	flow valve slower. flow valve faster. amount of incoming air.		
A) The differenc B) The differenc	-		
A) Keeps the ov B) Transports he	PLT188 Pose of ventilating air in a comberhead thermal switch cool. Peat to locations where it is need abustion air for ground blower or	ed.	
the controller to A) Isobaric and o B) Unpressurize	regulate the outflow valve?	FEX surization use reference chamber air pressure w ial.	vithin
311.	PLT188	FEX	

Which cabin air-conditio A) Air-cycle.	ning system utilizes a refrigerant to carry aw	ay cabin heat?
B) Vapor cycle. C) Evaporative blower.		
A) Refrigerant R-12 is no B) Refrigerant R-12 cha	PLT188 ect with regard to leaking refrigerant R-12? contoxic to the skin. nges to nitric acid if it comes in contact with cause frostbite if it touches skin.	FEX water.
A) Left aileron up when t B) Right aileron down w	PLT346 The ailerons move when the control wheel is not the control wheel is moved right. Then the control wheel is moved left. Then the control wheel is moved right.	FEX noved?
B) adjust the upward tail	PLT473 Intor trim tab is to lance as airspeed is increased to allow hand load for different airspeeds in flight allowing I tail load for various airspeeds in flight elimin	neutral control forces.
315. One purpose of a fuel ta A) temperature. B) altitude operation. C) atmospheric pressure	PLT253 Ink boost pump is to prevent vapor lock cause.	FEX sed by low
A) Temporary power inc B) Engine overheat and		FEX g takeoff?
317. Which publication deterr A) FAR Part 25.	PLT251 mines when an airplane may be flown with a	FEX fuel leak?

B) The applicab	le manufacturer's manual.	
C) AC 65-9A, A	irframe and Powerplant Mech	anics General Handbook.
318.	PLT253	FEX
Fuel systems ar	re designed to be free from va	por lock until fuel temperatures exceed
A) +100 °F.		
B) +110 °F.		
C) +120 °F.		
319.	PLT324	FEX
•	uipped with Hamilton-Standard ure pump from a standpipe is	d Hydromatic propellers the purpose of feeding the to
A) minimize the	amount of oil that has to be d	liluted with fuel in cold weather.
B) provide oil fo	r feathering the propeller in th	e event an oil line should break.
C) separate the warmup of the e	•	nding oil when the engine is started to permit a fast
320.	PLT324	FEX
The purpose of	the hopper tank is to	
A) permit a fast	warmup of the engine oil.	
B) collect sludge	e and particles from the oil in	the event the oil filter becomes obstructed.
, .	ne oil to feather the propeller in ped overboard.	n the event an oil line should break and all of the
321.	PLT342	FEX
What is the oil v	iscosity index? The oil viscos	ity index
A) indicates how	v fluid an oil is at low tempera	ture under laboratory conditions.
B) is an arbitrary temperature.	y method of stating the rate of	f change in viscosity of an oil with changes of
	of any oil compared with the ute (API) gravity scale.	weight of an equal volume of oil from the American
322.	PLT342	FEX
The ashless in a	ashless dispersant refers to oi	I
A) crudes that a	re ash free.	
B) that does not	form ash deposits.	
C) that has had	all ash removed in the refinin	g process.
323.	PLT273	FEX

What type of gas may beA) Nitrogen.B) Dry oxygen.C) Carbon dioxide.	used to service hydraulic accumulators?	
324. One purpose of a hydrau A) compress hydraulic flu B) absorb sudden pressu C) store hydraulic fluid fre	uid. ure surges.	FEX
A) Reduce the accumula B) Notify maintenance to		FEX a static leak?
326. PLT273 FEX The purpose of pressurizing a hydraulic reservoir is to A) provide an alternate source of pressure in case of a hydraulic pump failure. B) assure a positive feed of foam free fluid to the hydraulic pump at high altitudes. C) insure an adequate supply of fluid to the hydraulic pump inlet during negative-G flight.		
•	PLT338 system may cause cluding banging, squealing and chattering. when the pressure of the air drops during ac	FEX tuation.
328.What may cause engineA) High octane fuel.B) Low manifold pressureC) Excessively lean fuel-	э.	FEX
329. If the line between the Mindicate	PLT343 AP gauge and the engine induction system	FEX has a leak, the gauge will

A) ambient pres	ssure.	
B) 29.92 inches	of MAP.	
C) low when op	erating at a MAP above atmosp	neric pressure.
330.	PLT243	FEX
The BMEP indi	cator measures the	
A) ratio of the s	haft output to the power develop	ed in the cylinders.
B) output shaft	torque and converts it to BMEP.	
C) actual power	output to the propeller by conve	erting heat energy to mechanical energy.
331.	PLT343	FEX
What is BMEP?	•	
	value (not measured) of the avene power stroke.	rage pressure that exists in the cylinder of an
	m power output which can be ob and manifold pressure.	tained from an engine when it is operated at a
•	e of the fuel/air mixture in the intand and the intake valve.	ake manifold between the carburetor or internal
332.	PLT365	FEX
The indicated h	orsepower of a reciprocating en	gine is defined by the
A) computed ho	orsepower based on engine RPM	I and manifold pressure adjusted to sea level.
<i>,</i> .	•	rs less computed friction losses within the engine. rs without reference to friction losses within the
333.	PLT343	FEX
What is the seq energy?	uence of events for a reciprocati	ing engine to convert chemical to mechanical
A) Ignition, com	pression, power, and exhaust.	
B) Compression	n, ignition, intake, power, and ex	haust.
C) Intake, comp	pression, ignition, power, and exl	naust.
334.	PLT210	FEX
The purpose of	shutting an engine down with th	e mixture control at the end of the flight is to
A) prevent an a	ccidental start.	
B) preclude liqu	id lock during subsequent starts	
C) assure that t	here is no fuel in the intake syste	em that could result in a fire.

335.	PLT343	FEX
Excessive oil in the lowe	er cylinder heads is an indication of	
A) worn oil control rings.	•	
B) oil supply line bypass	valve failure.	
C) intercylinder drains th	nat are partially or completely blocked.	
336.	PLT342	FEX
	exhaust augmenters is to	
A) increase engine cooli		
B) provide additional thr	ust.	
C) decrease exhaust ba	ck pressure.	
337.	PLT124	FEX
What effect does an incralcohol injected engine?	rease in atmospheric humidity have on brake	e horsepower output of a water/
A) A power loss will be e	experienced by either a wet or dry takeoff.	
B) A wet engine takeoff	will lose power more rapidly than a dry engir	ne takeoff.
C) A pressure-injected c	arburetor will not be affected by increased h	umidity.
338.	PLT134	FEX
How does increased hur	midity affect engine performance on takeoff?	
A) Engine temperatures	will increase.	
B) The fuel/air ratio will o	decrease below best power.	
C) Water vapor will displ	lace oxygen which increases the mixture rich	nness.
339.	PLT134	FEX
How does high humidity	affect engine performance on takeoff without	ut water injection?
A) Power will increase s	lightly.	
B) Power will decrease s	substantially.	
C) Power will not change	e significantly.	
340.	PLT134	FEX
A minimum loss of power	er will occur on takeoff in high humidity condi	tions if
A) the carburetor is set a	at full rich.	
B) the mixture is set for	emergency rich and additional fuel is injected	d.
C) the fuel/air ratio is set	t for best power and the takeoff is wet (with a	antidetonation fluid).
341.	PLT478	FEX

Does placing the magneto switches in the OFF position guarantee that the propellers are safe to handle? A) No, the only safe way to ensure the engines will not fire accidently is to disconnect the battery. B) No, the magneto switches may fail in the closed position and current will continue to be supplied to the ignition system. C) No, to turn off the ignition the magnetos operate on the principle of short-circuiting the current and a loose ground wire can allow a cylinder to fire.

342. **PLT250 FEX**

Afterfiring is caused by

- A) the spontaneous combustion of the unburned charge ahead of the flame fronts after the ignition of the charge.
- B) charges of unburned fuel in the exhaust gas mixing with air outside the exhaust and igniting, causing an explosion in the exhaust system.
- C) a mixture so lean that combustion not completed on the exhaust stroke ignites the contents of the intake manifold when the intake valve opens.

FEX 343. **PLT115**

Backfiring is caused by

- A) fouled spark plugs, defective fuel injection nozzles, or incorrect valve clearances.
- B) charges of unburned fuel in the exhaust gas mixing with air outside the exhaust and igniting, causing an explosion in the exhaust system.
- C) a mixture so lean that combustion not completed on the exhaust stroke ignites the contents of the intake manifold when the intake valve opens.

344. **PLT115 FEX**

Preignition is indicated by

- A) intermittent firing and low cylinder temperatures.
- B) explosions from the exhaust system with torching or afterburning.
- C) engine roughness and a sudden increase in cylinder head temperatures.

FEX 345. **PLT249**

What is the effect on the fuel/air mixture when flying from a cold to a warm area at a constant altitude without automatic mixture control?

- A) The engine is not capable of producing as much power due to the increase in air density.
- B) The engine is capable of producing more power due to a greater volume of air which is available due to heat expansion.
- C) The engine is not capable of producing as much power due to a decrease in air density which causes a richer mixture.

346.	PLT210	FEX
What does an increase	of approximately 125 propeller RPM indicate	e during shutdown?
A) Idle mixture is correc	ot.	
B) Idle mixture is too le	an.	
C) Idle mixture is too rid	ch.	
347.	PLT479	FEX
If an attempt is made to	start an engine with a hydraulic lock,	
A) a connecting rod car	n bend or break if the crankshaft continues to	rotate.
B) the starter gearbox of	can overtorque since the liquid is incompress	sible and stops piston movement
C) the fuel or oil from th	ne lower cylinders can be injected into the ex	haust system causing afterfiring
348.	PLT479	FEX
Which procedure shoul	d be followed prior to starting an engine with	a hydraulic lock?
A) Remove the lower sp	parkplugs and rotate the engine in the norma	al direction of rotation.
B) Remove the front or	back sparkplugs from the top cylinders and	pull the propeller through a
minimum of two comple	ete turns.	
•	parkplugs and pull the engine through backw	•
being injected into the i	ntake pipe and causing a lock on the next st	art.
349.	PLT500	FEX
How are the cylinders r	numbered in a double-row radial engine?	
A) Clockwise as viewed	d from the engine front.	
B) Clockwise as viewed	d from the accessory end.	
C) Counterclockwise as	s viewed from the accessory end.	
350.	PLT343	FEX
	round check the supercharger control is shift tion of the supercharger will be indicated by	ed from the high to the low
A) a sudden decrease i	in manifold pressure.	
B) the manifold pressur	re remaining the same.	
C) a momentary increa	se in manifold pressure.	
351.	PLT499	FEX
	the turbines in a turbocompound engine by	
•	powering blow-down turbines geared to the	crankshaft
B) engine driven turbine	es compressing the fuel/air mixture after it le	
the manifold pressure.		

· ·	essure driving power-recovery t from the carburetor.	urbines which compress the air before it is mixed
352.	PLT115	FEX
A) Power loss. 3) Temporary pow	oo much antidetonation fluid is ver increase. at and detonation.	njected during takeoff?
353. Alcohol is added to the ocurrence of the ocurrence o	cooling.	rstem to
354. The force which tr A) torque bending B) aerodynamic tv C) centrifugal twis	visting.	FEX e is
A) airfoil chord line B) propeller's airfo	PLT351 angle between the and the relative wind. il chord line and its plane of rota beller blade and the direction of	
A) through slip ring 3) through flexible	PLT351 icing system, electrical power is gs and carbon brushes. electrical connectors. ngs and segment plates.	FEX transferred to the propeller hub assembly
A) pushing in the f B) pulling the fire o		FEX opeller can be accomplished by position.

358.	PLT351	FEX
(Refer to figure	e 11.) The propeller condition dep	picted is
A) onspeed.		
B) overspeed.		
C) underspeed	l.	
359.	PLT243	FEX
Retarding the t	hrottle setting in cruise flight will	result in
A) a decrease	in blade angle.	
B) an increase	in blade angle.	
C) a decrease	in propeller RPM.	
360.	PLT351	FEX
Which flight co	nditions will result in the largest p	oropeller blade angle?
A) Initial climb-	out.	
B) Approach to	landing.	
C) High-speed	, high-altitude cruise flight.	
361.	PLT351	FEX
	scribes the blade movement of a ering action is begun?	feathering propeller set in the HIGH RPM position
A) Low pitch th	rough reverse, to feather.	
B) High pitch th	nrough low pitch, to feather.	
C) Low pitch th	rough high pitch, to feather.	
362.	PLT351	FEX
The principle w	hich operates a Hamilton-Stand	ard Hydromatic propeller is oil pressure
A) to decrease	or increase the blade angle.	
B) to decrease	the blade angle and counterweig	ghts to increase the blade angle.
C) and centrifu increase the bl	-	the blade angle and, counterweights and springs to
363.	PLT351	FEX
Which operation	onal force creates the greatest st	ress on a propeller?
A) Centrifugal.		
B) Torque bend	ding.	
C) Aerodynami	ic twisting.	

364.	PLT351	FEX
The function of t	he propeller synchrophase sys	stem is to
A) set the blade	s of all propellers to an identica	al blade angle.
B) maintain slav	e engine RPM within 3 percen	t of the master engine RPM.
C) maintain a pr	edetermined angular relationsl	nip between the blades of all propellers as they rotate
365.	PLT351	FEX
What initial action	on is taken to unfeather a Hami	ilton-Standard Hydromatic propeller?
A) Place the airc	craft in a shallow dive to start th	ne propeller windmilling.
B) Turn the auto	feather system off and place the	ne propeller lever to the full forward position.
C) Hold the feat	her button in until the propeller	starts windmilling, then release for restart.
366.	PLT108	FEX
What is the mini	mum glycol content of Type 1	deicing/anti-icing fluid?
A) 30 percent.		
B) 50 percent.		
C) 80 percent.		
367.	PLT108	FEX
Which of the foll step process?	owing procedures will increase	e the holding time during the anti-ice phase of a two-
A) Glycol conter	nt is raised to 100 percent.	
B) The Type 2 fl	uid is heated before application	n.
C) The Type 2 fl	luid is applied with centrifugal p	oumps.
368.	PLT108	FEX
The purpose of	diluting ethylene glycol deicing	fluid with water in nonprecipitation conditions is to
A) raise the eute	ectic point.	
B) decrease the	freeze point.	
C) increase the	minimum freeze point (onset o	f crystallization).
369.	PLT108	FEX
Deicing fluid sho	ould be dispensed at what temp	perature?
A) Cold.		
B) Heated.		
C) Ambient.		
370.	PLT108	FEX

Which procedure increprocess?	eases holding time when deid	cing/anti-icing an airplane using a two- step
A) Heated Type 1 fluid	d followed by cold Type 2 flui	d.
B) Cold Type 2 fluid fo	ollowed by hot Type 2 fluid.	
C) Heated Type 1 or 2	2 fluid followed by cold Type	1 fluid.
371.	PLT108	FEX
Anti-icing fluid should	provide freezing point protect	tion to
A) -20 °F ambient tem	nperature.	
B) +32 °F outside tem	perature or below.	
C) a freezing point no	greater than 20 °F below the	ambient or airplane surface temperature.
372.	PLT497	FEX
	rometric settings on the pilot ansmitted by the transponder	and copilot altimeters have on the MODE C?
A) Neither pilot altime	ter setting has an effect.	
3) The pilot`s indicate	ed altitude will be reflected on	the ATC radar display.
C) The copilot`s indicasecond transponder is		ed if equipped with two transponders and the
373.	PLT028	FEX
According to CFR par	t 1, which of the following def	ines flight crewmember?
A) A person assigned	to perform duty in an airplan	e during flight time.
, ,		ed to duty in an airplane during flight time. ssigned to duty in an airplane during flight time.
374.	PLT388	FEX
	t voice recorder and flight red n termination of the flight?	corder data be kept in the event of an accident or
375.	PLT410	FEX
	n flight engineer operating ex non carriage is involved?	perience requirements for reciprocating-powered
A) Flight engineer dut	ies performed for 8 hours und	der the supervision of a check airman in flight.
B) Flight engineer dut	ies performed for 10 hours ui	nder the supervision of a qualified flight engineer.

C) Flight engineer dut	ties performed for 12 hours	under the supervision of a qualified pilot in
376.	PLT451	FEX
Which requirement m air carrier flight under		neers every 6 months before they can serve on an
A) Line check or route	e check.	
B) Recurrent flight an	d ground training.	
C) 50 hours of flight ti	ime or a flight check.	
377.	PLT438	FEX
Above which cabin al	titude must oxygen be prov	rided for all persons during the entire flight?
A) All crewmembers	10,000 feet; all passengers	12,000 feet.
B) All crewmembers	12,000 feet; all passengers	15,000 feet.
C) All crewmembers	10,000 feet; all passengers	15,000 feet.
378.	PLT438	FEX
• •	n flight deck duty when oper ours' supply. ours' supply.	ed air carrier transport airplanes carry for each rating at flight altitudes above 10,000 feet?
379.	PLT439	FEX
	ask may a flight engineer pacement if there is no certific	erform while operating under 14 CFR part 125? cated mechanic available.
•		if the malfunction occurs in a remote area. applicable regulations and the certificate holder's
380.	PLT021	FEX
(Refer to figure 40.) V A) 28.9 percent. B) 30.5 percent. C) 32.9 percent.	Vhat is the loaded CG in pe	ercent of MAC under operating conditions No. 1?
381.	PLT021	FEX
		ad under operating conditions No. 1?

B) 21,500 pounds.			
C) 25,500 pounds.			
382.	PLT253	FEX	
A reason for using a cr	ossfeed fuel system is to		
A) be able to purge an	y fuel tank.		
B) jettison fuel during e	emergencies.		
C) help maintain the ai	rcraft`s center of gravity.		
383.	PLT240	FEX	
If the landing gear on a	an airplane moves forward during	retraction, the	
A) total moments will d	ecrease.		
B) total moments will in	ncrease.		
C) total moments will re	emain the same.		
384.	PLT003	FEX	
If the landing gear of a	n airplane moves rearward upon	gear retraction, the CG will	
A) move aft.			
B) move forward.			
C) remain the same.			
385.		PLT135	FEX
To which elevation sho	ould the cabin altitude be set for t	he following landing conditions?	
Altimeter		30.12	
Field elev		6172 ft	
Airplane cabin depress		500 ft AGL	
Cabin pressure control	ller calibrated to	29.92	
A) 6,472 feet.			
B) 6,672 feet.			
C) 6,792 feet.			
386.	PLT012	FEX	
(Refer to figure 27.) Work (Refer to figure 27.)	hat is the total fuel burn for a 1,5	00 NM cruising flight under operatin	g
A) 19,060 pounds.			
B) 19,200 pounds.			
C) 22,500 pounds.			
•			

387.	PLT207	FEX
What causes cell im	balance in a nickel-cadmium	ı battery?
A) Low temperature	S.	
B) Deep rapid disch	arges.	
	al (voltage) charging.	
, ,	(0 / 0 0	
388.	PLT207	FEX
What is a function o	f the cellophane portion of th	e separator in a nickel-cadmium battery?
A) Separates positiv	e and negative cells.	
B) Seals the cell to p	orevent leakage of electrolyte	∍.
C) Inhibits oxygen for that may lead to a the		rom recombining with cadmium and creating heat
389.	PLT207	FEX
What speed does a	frequency meter give a direc	et indication of?
A) Engine N2.		
B) Generator RPM.		
C) CSD input speed	.	
,		
390.	PLT207	FEX
Which are control fu	inctions of an ac generator c	ontrol unit?
A) Manual parallelin	g.	
B) Nonessential-pov	ver relay control.	
C) Generator field c	ontrol and indication.	
391.	PLT135	FEX
	control setting has a direct e	
•	-	nect apon the
A) compressor spee		
B) outflow valve ope C) pneumatic syster	•	
C) priedifialic system	ii piessuie.	
392.	PLT139	FEX
How does the therm	ocouple in a fire detection sy	ystem cause the warning system to operate?
A) Heat increases e	·	
•	small electrical current.	
	ansion and a ground to form	
, '	.	
393.	PLT251	FEX

Mixing aviation gasoline A) turbine blades. B) compressor blades. C) inlet guide vanes.	with jet fuel will effect a turbine powerplant I	by forming deposits on the
394.	PLT251	FEX
A) Both jet fuel and gasc B) Jet fuel is of a higher	to aviation gasoline, which statement is corpline are equally susceptible to contamination viscosity, and holds contaminants better. scosity, and will not hold contaminants as well a	n.
395.	PLT479	FEX
While starting a turbine of Which procedure is corre	engine with an air starter, a hung start occur	s before the starter disengages.
A) Shut down the engine	9.	
B) Increase the air veloc	sity to the starter.	
C) Slowly increase the p	ower lever until the engine accelerates to id	le.
396.	PLT499	FEX
Equivalent shaft horsepo	ower (ESHP) is defined as	
A) the total power delive	red to the propeller.	
B) the shaft horsepower	plus the effects of the jet thrust produced by	the engine.
C) the actual amount of pounds of work per minu	horsepower delivered to the propeller shaft tale.	that is equivalent to 33,000 foot-
397.	PLT343	FEX
	I parameter for a turbine engine during start	
A) TIT.		
B) Oil pressure.		
C) Starter engagement t	ime.	
398.	PLT499	FEX
	nighest gas volume in a turbine engine?	. 27
A) Turbine outlet.	ng.reet gae veranie in a taleine engine i	
B) Compressor outlet.		
C) Combustion chamber	outlet.	
399.	PLT499	FEX
000.	. 2.1700	

Which engine instru A) Engine RPM. B) Torquemeter. C) Turbine inlet tem		normal reading if the compressor has d	lamage?
400.	PLT499	FEX	
	the highest gas pressure in a turb	oine engine?	
A) Turbine outlet.B) Compressor outlet	≙t		
C) Combustion char			
401.	PLT351	FEX	
Beta range refers to	the		
A) propeller RPM ra	inge controlled by the prop levers	S .	
B) propeller blade a	ngle which can produce zero or r	negative thrust.	
C) second letter of t range of the throttle		sent a constant propeller RPM within the	he flight
402.	PLT351	FEX	
The propeller synch	ronization has a limited RPM ran	ige to prevent the possibility of	
A) a runaway maste	er engine from overspeeding all the	ne engines.	
	e other engines in case the maste	•	
C) the other engines	s losing more than a limited amou	unt of RPM in case the master engine t	fails.
403.	PLT108	FEX	
What safeguard sho	ould be taken when using mobile	ground deice/anti-ice equipment?	
•	ditioning pack valves.		
	ane engines above idle to prever		
C) Apply fluid to the	lower door sills and the door bot	toms prior to closing for flight.	
404.		PLT135	FEX
To which elevation s	should the cabin altitude be set for	or the following landing conditions?	
Altimeter		30.12	
Field elev		1295 ft	
Airplane cabin press	surized to	200 ft below field elev	
Cabin barometric pr	essure reference setting	29.92	
A) 895 feet.			
B) 1,295 feet.			

C) 1,595 feet.		
405. During flight with zero at A) equal to atmospheric B) less than atmospheric C) greater than the pres	c pressure.	FEX surface of the wing will be
406. (Refer to figures 20 and A) 3,710 shaft horsepow B) 3,770 shaft horsepow C) 4,000 shaft horsepow	ver.	FEX der operating conditions No. 13
407.(Refer to figures 18 and conditions No. 1?A) 12,400 inch-pounds.B) 16,600 inch-pounds.C) 18,000 inch-pounds.	PLT169 19.) What is the minimum torque required for	FEX or takeoff under operating
408.(Refer to figure 27.) What A) 12,800 pounds.B) 14,440 pounds.C) 22,160 pounds.	PLT012 at is the total fuel burn under operating cond	FEX itions No. 1?
409.(Refer to figure 26.) HovA) 4,540 pounds.B) 4,980 pounds.C) 5,100 pounds.	PLT012 v much fuel remains after dumping under op	FEX erating conditions No. 1?
A) Less weight.B) Simple design require	PLT478 ters used on most large turbine engines? es no clutch. anically more reliable than electrical starters	FEX

411.	PLT212	FEX
Which is the most	effective extinguishing ag	ent for use on an electrical fire?
A) Carbon dioxide		
B) Methyl bromide).	
C) Carbon tetrach	loride (Halon 04).	
412.	PLT388	FEX
For what purpose not be used?	may information obtained	from cockpit voice recorders and flight data recorders
A) Identifying malf	unctions and irregularities	in aircraft systems.
· · · · · · · · · · · · · · · · · · ·	uses of accidents and occ fety Board (NTSB).	currences under investigation by the National
C) Determining an	y certificate action or civil	penalty arising out of an accident or occurrence.
413.	PLT410	FEX
During what situat	ion may an airplane requi	ring a flight engineer be operated under CFR part 91?
A) Test flight.		
B) Cargo flight.		
C) Passenger fligh	nt without compensation.	
414.	PLT493	FEX
Which is an effect	of ice, snow, or frost form	ation on an airplane?
A) Increased stall	speed.	
B) Increased pitch	-down tendencies.	
C) Increased angle	e of attack for stalls.	
415.	PLT124	FEX
What must happen density changes?	n to true airspeed to maint	ain the same angle of attack in level flight, when the air
A) The airspeed m	nust increase when the air	density decreases.
B) The airspeed m	nust increase when the air	density increases.
C) The airspeed m	nust decrease when the ai	r density decreases.
416.	PLT249	FEX
miles per pound of	•	th a power setting which produces the maximum air ximum air miles per pound of fuel as the weight of the buld be

B) increased.			
C) maintained.			
417.		PLT016	FEX
•	•	reach maximum landing weight at	
touchdown under the	following conditions?		
Number of engines		3	
Cruise weight		171,000 lb	
Max. landing weight		142,500 lb	
Average fuel flow duri touchdown	ng dumping and descent to	3,170 lb/hr/eng	
Time from start dump	to landing	19 min	
Fuel dump rate		2,300 lb/min	
A) 7.7 minutes.			
B) 11.1 minutes.			
C) 12.4 minutes.			
418.	PLT344	FEX	
What is the lowest ten	nperature that water droplets ma	ay remain in a liquid state?	
A) 0 °C.			
B) 0 °F.			
C) -40 °C.			
419.	PLT207	FEX	
If the airplane is equip ampere-hour rating?	pped with a battery rated to deliv	er 45 amperes for 2.5 hours, what is the	he
A) 90.0 ampere-hour.			
B) 18.0 ampere-hour.			
C) 112.5 ampere-hou			
-, <u> </u>			
420.	PLT207	FEX	
Which is a feature of a	a trip free circuit breaker?		
A) It is impossible to n	nanually hold it in the closed po	sition.	
•	e closed position to power emer		
•	·	ity and heavy overloads can be carried	d for a
SHOIL WHIE.			
421.	PLT495	FEX	
What is the name for t	the visible discharge of static ele	ectricity from the airplane into the air?	

A) Corona threshold.				
B) Saint Elmo's fire.				
C) Precipitation static.				
422.		PLT012		FEX
(Refer to figure 3.) What conditions shown?	is the approximate duration of	the passenge	er oxygen system for the	
Cabin altitude		15,000 ft		
Passengers		120		
Bottle pressure		1,500 PSI		
A) 19 minutes.				
B) 23 minutes.				
C) 25 minutes.				
423.		PLT012		FEX
(Refer to figure 3.) What conditions shown?	is the approximate duration of	the passenge	er oxygen system for the	
Cabin altitude		19,000 ft		
Passengers		55		
Bottle pressure		1,300 PSI		
A) 35 minutes.				
B) 42 minutes.				
C) 46 minutes.				
424.	PLT212		FEX	
In some fire extinguishing indicated by the absence	g systems, evidence that the sy e of a	stem has be	en intentionally discharge	ed is
A) red disc on the side o	f the fuselage.			
B) green disc on the side	e of the fuselage.			
C) yellow disc on the sid	e of the fuselage.			
425.	PLT476		FEX	
An advantage of a stabili	izer and elevator located at the	top of the ve	rtical fin is that	
A) the structural weight is	s decreased.			
B) the cruise speed is m	ore fuel efficient.			
C) the horizontal tail is al	bove the wing turbulence.			
426.	PLT499		FEX	

Which is the main advant A) High-pressure rise per B) Low starting power red C) Shorter than an axial	quirements.	or?		
427. The speed (RPM or perconferred to as A) N1. B) N2. C) N3.	PLT499 ent) of the innermost compressor of a triple-	FEX spool turbofan engine is		
428. PLT499 FEX The two basic elements of the turbine section of a turbine engine are the A) rotor and stator. B) bucket and expander. C) impeller and diffuser.				
429.(Refer to figure 9.) The toA) Location 1.B) Location 3.C) Location 10.	PLT499 otal-pressure (Pt7) probes are mounted in w	FEX hich location?		
430.What does Pt7 mean?A) Total inlet pressure atB) Total absolute pressureC) Pressure and temperate	re at Station no. 7.	FEX		
431.What determines the visoA) Temperature.B) Thickening agents.C) Dispensing equipmen	PLT108 cosity of Type 1 deicing/anti-icing fluid? t.	FEX		
432.	PLT368	FEX		

The pilot in comman	nd has emergency author	ority to exclude people from the flight deck. Those who
may be excluded from	om this area include	
A) any person, in th	e interest of safety.	
B) anyone except a	n FAA air carrier inspec	tor.
C) anyone except a	Federal law enforceme	ent officer who presents proper credentials.
433.	PLT203	FEX
Which is true conce	erning the troposphere?	
A) It extends to a ur	niform height at all latitue	des.
B) It is thicker over	the Equator than over th	ne poles.
C) It is the dividing	line between the stratos	phere and the atmosphere.
434.	PLT132	FEX
• •		cation after failing to reset the local barometric pressure field elevation of 650 feet?
A) Sea level.		
B) 715 feet.		
C) 1,300 feet.		