PRESOLO WRITTEN EXAM

GENERAL QUESTIONS

Instructions: Answer the questions to the best of your ability. This is an open book test.

What per fly solo?	rsonal documents and endorsements are you required to have before you
	e your student pilot limitations regarding carriage of passengers or cargo g for compensation or hire?
Explain s	student pilot limitations concerning visibility and flight above clouds.
	s the final authority and responsibility for the operation of the aircraft u are flying solo?
	what preflight action concerning the airport and aircraft performance is in the regulations for a local flight.

During engine run up, you cause rocks, debris, and propeller blast to be directed toward another aircraft or person. Could this be considered careless or reckless operation of an aircraft?
You may not fly as pilot of a civil aircraft within hours after consumption of any alcoholic beverage, or while you have% by weight or more alcohol in your blood.
What are the general requirements pertaining to the use of safety belts and shoulder harnesses?
What is the minimum fuel reserve for day VFR flight, and on what cruise speed is the fuel reserve based?
A transponder with Mode C is required at all times in all airspace at and above feet MSL, excluding that airspace at and below feet AGL.
What aircraft certificates and documents must be on board when you are flying solo?
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W
No person may operate an aircraft so close to another aircraft as to create a(n)
Who has the right-of-way when two aircraft are on final approach to land at the

14.	What action do you need to take if you are overtaking another aircraft and which aircraft has the right-of-way. What should you do if you are flying a head-on collision course with another aircraft? If another single-engine aircraft is converging from the right, who has the right-of-way?
15.	Except when necessary for takeoffs and landings, what are the minimum safe altitudes when flying over congested and other than congested areas?
16.	If an altimeter setting is not available at an airport, what setting should you use before departing on a local flight?
17.	What altitudes should you use when operating under VFR in level cruising flight at more than 3,000 feet AGL?
18.	When practicing steep turns, stalls, and maneuvering during slow flight, the entry altitude must allow a recovery to be completed no lower than feet AGL.
19.	When is a go-around appropriate?
20.	What general steps should you follow after an engine failure in flight?

Instru instru	RAFT QUESTIONS actions: All students should answer the a ctor may include additional questions the aircraft to be flown.				
1.	List the minimum equipment and instrumen your aircraft for day VFR flight.	ts that m	ust be wo	orking properly in	l ——
2.	Fill in the V-speed definitions and the corresairplane.	sponding	g speed fo	r your training	
	DEFINITION		S	PEED	
(Vso)					
(Vs1)					
(Vx)					
(V _Y)					
(VFE)					
(VA)					
(Vno)					
(VNE)					
3.	What is the best glide speed for your training	g airplan	ie?	KIAS	
4.	What is the maximum allowable flap setting	for take	off in you	ır aircraft?	o
5.	The total useable fuel capacity for your aircreday (sea level temperature, 59° F, altimeter rate during normal (approximately 75% powhour.	29.92 in.	Hg.), the	fuel consumptio	n
6.	What grade or grades of fuel can be safely u colors of the recommended fuels? What hap grades are mixed?	•			ı

	The maximum oil capacity of your aircraft is quarts, and the minimum capacity to begin a flight is quarts.
	The maximum crosswind component specified by your instructor for solo takeof and landings in the training aircraft is knots.
	When do you use carburetor heat? What are the indications of carburetor icing?
	What is the takeoff and landing distance over a 50-foot obstacle for your aircrat your airport? Assume maximum certificated takeoff weight, 80° F, win calm, and an altimeter setting of 29.52.
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u	ctions: Flight instructors may assign only those questions that pertain to tat's airport environment and surrounding local area. However, if necessar

	is the standard direction of turns in the traffic pattern? Give an example of display indicating a nonstandard traffic pattern.
What	is CTAF? Explain CTAF procedures at your training airport(s).
How o	can you determine if a runway is closed?
	are the typical dimensions of Class D airspace and what requirement(s) be prior to entry?
is the	is the maximum speed permitted for aircraft below 10,000 feet MSL? What maximum speed allowed in Class B airspace? What is the maximum speed in a VFR corridor through Class B airspace?

W	That is the meaning of each of the following ATC light signals?
Iì	N FLIGHT
	Steady green
	Flashing green
	Flashing red
	Steady red
О	N THE GROUND
	Flashing red
	Flashing green
re	addition to equipment requirements and a student pilot certificate, what other equirement(s), if any, must be met before a student pilot is authorized to fly solithin Class B airspace?
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	xplain the general transponder equipment and use requirement(s) whe perating within or near Class B airspace.

1	Describe Class B airspace boundaries, and how they apply to an airport within hat airspace. Explain how you can use navigation equipment and/or ground eference points to identify the Class B boundaries. (Draw a diagram, if necessary.)
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t	You have called ATC just prior to entering Class B airspace, and the controller ells you to, "Squawk 2466 and ident." Are you now allowed to enter Class B airspace without any further instructions? Explain.
-	On a sectional chart, what does a dashed magenta line around an airport indicate?
	Explain the minimum visibility and ceiling requirements for VFR flight in Class Dairspace.
	Can a student or recreational pilot request a special VFR clearance in Class D dirspace when visibility is less than three miles? Explain your answer.
1	You have called ATC prior to entering Class C airspace, and the controller esponds with your call sign and tells you to, "Standby." Are you now allowed to enter this airspace without any further instructions? Explain.

			area of Class		
D: 11	the Class C	N 1	- 11-1 - CC1		
Explain identify	how you can	use navigati irspace inne	on equipment core surface	and/or ground	or a nearby airport I reference points to area, as well as the