## Pre-solo Written Exam Saint Charles Flying Service

Name	ne: Instructor:	
Date:	2:	
	wer the following questions in the space provided, using the FARs e sources for an answer, be sure to note it for your future reference	-
1	<ol> <li>What type of engine does the aircraft have?</li> </ol>	
2	2. What is the horsepower?	
3	3. When would you use carburetor heat?	
4	4. How many gallons of fuel does the aircraft hold? Total	Useable
5	5. What type of fuel should be used?	
6	<ol><li>How much does one gallon of fuel weigh?</li></ol>	
7	<ol><li>What type of oil should be used in this engine?</li></ol>	
8	8. Please define and list the speeds for each of the following in t	he aircraft:
Vr	Vx	
Vy_	Best Glide	
Vne_	Vno	
Va	Vfe	
Vs1_	Vso	
9	9. What are the frequencies at KSET CTAF ASC	0S
1	10. What is the Emergency Frequency (Guard)	
1	11. What is the frequency for Saint Louis Approach in this area _	
1	12. What is the maximum demonstrated crosswind component fo	the aircraft?
1	13. Where did you find the above answer?	

14.	. What is the distance to take off and clear a s	50 foot obstacle on a	a standard day at max	k gross takeoff
	weight?			

15. What is the landing distance over a 50 foot obstacle on a standard day at max gross weight?

16. What is the maximum RPM setting? 17. Please describe the procedure for loss of engine power during cruise flight: 18. What is the maximum gross weight of the aircraft? 19. What is the basic empty weight of the aircraft? 20. Define useful load, and how much is it in this aircraft?\_\_\_\_\_ 21. What preflight actions are required before a flight not in the vicinity of an airport? 22. Before any flight? \_\_\_\_\_ 23. List the minimum equipment and instruments that must be working properly in your aircraft for a DAY VFR flight 24. What additional equipment is required for NIGHT flying? 25. How many hours are required between consuming alcohol and flying? 26. What is the maximum blood alcohol content to legally operate an aircraft? 27. What are the Saint Charles Flying Service rules regarding alcohol consumption? 28. Where would you find weather minimums for student solo flights? 29. What altitude should you fly when operating in cruise flight at more than 3,000 feet agl? 30. Why is it necessary to drain fuel from the fuel sumps?

31. When should this be done?\_\_\_\_\_

32.	How do you check the oil level in the aircraft?
33.	What are the minimum and maxi oil levels?
34.	Will the engine run with the master switch turned off?
35.	What is the maximum allowable flap setting for takeoff?
36.	What documents and endorsements are you required to have in your possession when operating the airplane as a student pilot?
37.	How long is your student pilot solo endorsement valid for?
38.	Do you need your logbook in your possession when you fly solo?
39.	During a magneto check, what is the maximum RPM drop?
40.	Draw a runway and a traffic pattern and label each leg:
41.	Which turn direction is standard for a traffic pattern?
42.	How do you enter and exit the traffic pattern at an uncontrolled airport?
43.	Describe "Wake turbulence".
44.	When is the most wake turbulence created?
45.	What should you do to avoid wake turbulence?
46.	When are you required to wear a lap belt? Shoulder harness?
47.	What must a pilot do before entering Class Charlie or Delta airspace?
48.	What is the minimum altitude you can fly over congested areas?
49.	Over other than congested areas?
50.	

51. List the documents that must be aboard the aircraft at all times

52. Who has the final authority and responsibility for the operation of the aircraft when you are flyir
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53. Can you operate in Class B airspace as a student pilot?

54. What is the minimum fuel requirement for VFR day / night?\_\_\_\_\_

- 55. If the altimeter setting is not available at an airport, how would you set the altimeter before departing?
- 56. What are the limitations of a student pilot, as stated in Part 61.89 of the Federal Aviation Regulations?
- 57. What must you do before practicing maneuvers?
- 58. When practicing Steep Turns, Stalls, and Slow Flight, the entry altitude must allow for a recovery to be completed no lower than \_\_\_\_\_\_feet AGL

59. When doing ground reference maneuvers what altitude AGL should be flown?\_\_\_\_\_

- 60. When two aircraft of the same category are converging head-on, which way do you turn to avoid the other aircraft?
- 61. Give three situations that would necessitate a go-around.

62. List the procedure for a go-around.\_\_\_\_\_

63. Describe the airspace at KSET, starting at the ground up to Flight Level 600 (60,000 feet MSL):

64. If you program KSTL into the GPS you are going to an\_\_\_\_\_

65. If you program STL into the GPS you are going to a \_\_\_\_\_\_