

Pre-solo Written Exam

Saint Charles Flying Service

Name: _____ Instructor: _____

Date: _____

Answer the following questions in the space provided, using the FARs, AIM, AFD, and POH. If you use one of these sources for an answer, be sure to note it for your future reference. (cough, the checkride, cough)

1. What type of engine does the aircraft have? _____
2. What is the horsepower? _____
3. When would you use carburetor heat? _____
4. How many gallons of fuel does the aircraft hold? Total _____ Useable _____
5. What type of fuel should be used? _____
6. How much does one gallon of fuel weigh? _____
7. What type of oil should be used in this engine? _____
8. Please define and list the speeds for each of the following in the aircraft:

Vr _____ Vx _____

Vy _____ Best Glide _____

Vne _____ Vno _____

Va _____ Vfe _____

Vs1 _____ Vso _____

9. What are the frequencies at KSET CTAF _____ ASOS _____
10. What is the Emergency Frequency (Guard) _____
11. What is the frequency for Saint Louis Approach in this area _____
12. What is the maximum demonstrated crosswind component for the aircraft? _____
13. Where did you find the above answer? _____

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. Over sparsely populated areas or open water? _____

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 flying solo?

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 _____