

Runway Aviation
Pre-solo Written Exam

Name: _____

Date: _____

Airplane Make/Model: _____

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

Note: This is not a pass or fail test!!! Many of the Questions may seem like trick Questions but they are merely to stimulate you thinking and generate a dialog between you and your instructor. So relax and have some fun with it!

1. What type of engine does the aircraft have? _____
2. What is the engine horsepower? _____
3. How many gallons of useful fuel does the aircraft hold?
4. What type of oil should be used in this engine? _____
5. What type of coolant is in the aircraft? _____
6. Please define in your own words and list the speed for each of the following in the aircraft:

Vr _____

Vx _____

Vy _____

Best Glide _____

Vne _____

Vno _____

Va _____

Vfe _____

Vs1 _____

Vso _____

7. What is the maximum demonstrated crosswind component for the aircraft? _____
8. What is the service ceiling of the aircraft? _____
9. What is take off the distance to clear a 50 foot obstacle on a standard day? _____
10. What is landing the distance over a 50 foot obstacle on a standard day? _____
11. What is the maximum RPM setting? _____
12. Please describe the loss of engine procedures for the aircraft.

flying solo? _____

42. Can you operate in Class B airspace as a student pilot? _____

43. What is the minimum fuel requirement for VFR day conditions?

44. If the altimeter setting is not available at an airport, what setting should you use before departing on a local flight? _____

45. What are the limitations of a student pilot, as stated in Part 61.89 of the Federal Aviation Regulations?

46. What are the additional limitations on your solo endorsement?

47. What must you do before practicing maneuvers?

48. When practicing Steep Turns, Stalls, and Slow Flight, the entry altitude must allow a recovery to be completed no lower than _____ feet agl.

49. When two aircraft of the same category are converging head-on, which way do you turn to avoid the other aircraft? _____

50. Give three situations that would necessitate a go-around.

List the procedure for a go-around.

Student Signature _____

Instructor Signature _____

Date of Review/Logbook Endorsement _____