

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.

1. What is the maximum gross weight of the airplane?
2. What preflight actions are required before a flight not in the vicinity of an airport? Before any flight?
3. Complete the following to describe the engine in this airplane:

L

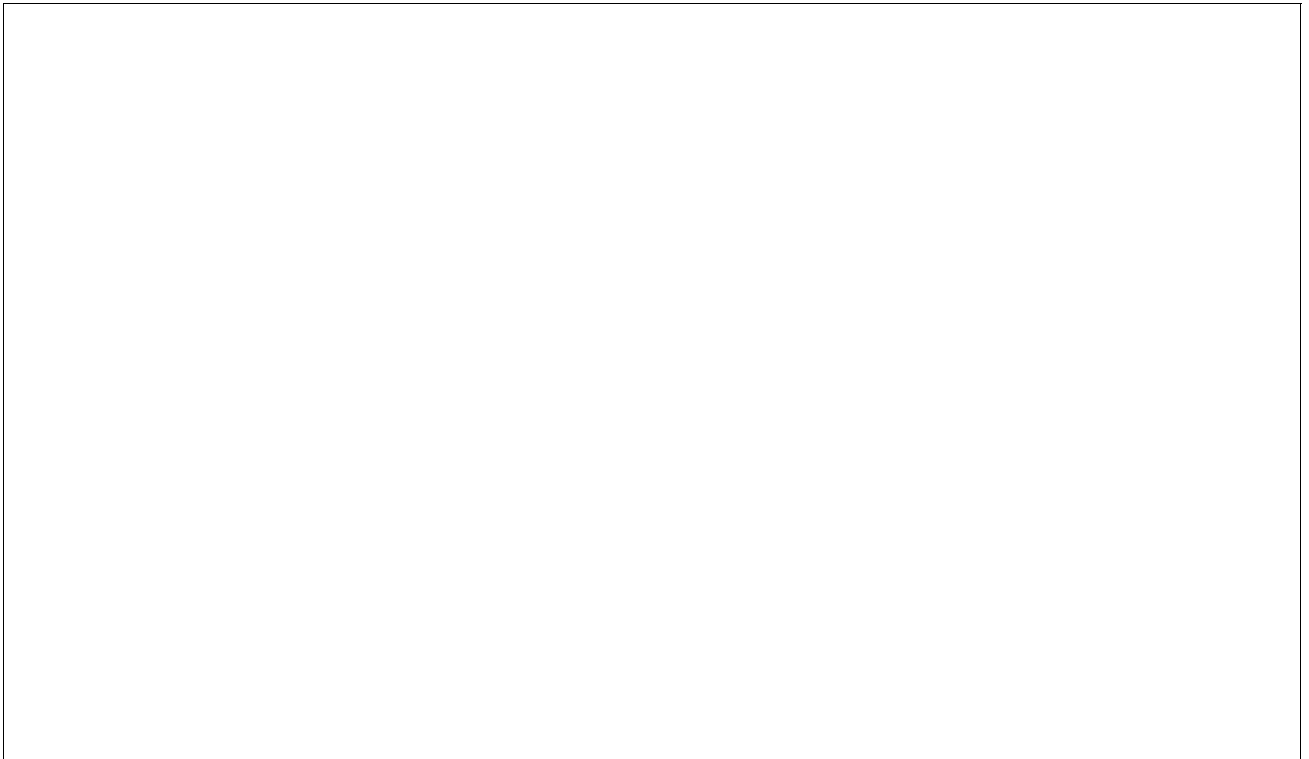
H

A

N

D
4. What is the minimum oil required in this airplane to begin a flight? What is the maximum? What weight (viscosity) is the oil?
5. How many hours are required between consuming alcohol and flying? What is the maximum blood alcohol content to legally operate an aircraft?
6. What are the basic VFR weather minimums for the airspace surrounding F45? What are the weather minimums, as defined on your solo endorsement?
7. Why is it necessary to drain fuel from the fuel sumps? When should this be done?

8. Will the engine run with the master switch turned off? Why?
9. What three documents are you required to have in your possession to legally operate the airplane as a student pilot?
10. Do you need your logbook in your possession when you fly solo? Why/Why not?
11. During a magneto check, what is the maximum RPM drop?
12. Draw a diagram of the runways at F45. Label each runway and specify which runways have non-standard patterns.



13. Draw a runway and a traffic pattern and label each leg.



14. Which turn direction is standard for a traffic pattern? What is traffic pattern altitude at F45?

15. List the following frequencies at F45:

a. Unicom –

b. CTAF –

c. AWOS –

d. Landmark Aviation -

16. Describe “wake turbulence”. In which type of aircraft and in which configuration is this most prominent? What is proper procedure to avoid wake turbulence?

17. What is the fuel capacity for this airplane? How much of this fuel is usable?

18. When are you required to wear a safety belt? Shoulder harness?

19. What type of fuel does this airplane take? What color is it?

20. What must a pilot do before entering Class D airspace?

21. What is the minimum altitude you can fly anywhere? Over congested areas? Over other than congested areas? Over sparsely populated areas or open water?

22. Fill in the following chart for the visibility and cloud clearance minimums:

Airspace	Visibility	Cloud Clearance	Airspace	Visibility	Cloud Clearance
Class B			Class G (Day) Less than 1,200ft AGL		
Class C			Class G (Night) Less than 1,200ft AGL		
Class D			Class G (Day) Above 1,200ft AGL, Less than 10,000ft MSL		
Class E Less than 10,000ft			Class G (Night) Above 1,200ft AGL, Less than 10,000ft MSL		
Class E At or above 10,000ft			Class G Above 1,200ft AGL and at or above 10,000ft MSL		

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

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

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

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

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

28. What must you do before practicing maneuvers?

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

30. Give three situations that would necessitate a go-around. List the procedure for a go-around.