

FLYWELL AVIATION - PRESOLO KNOWLEDGE TEST

Name: _____ Make/Model/N-Number of Aircraft: _____

Date: _____ CFI and Date Reviewed: _____

1. List the airspeeds and their definitions for your airplane below.

V Speeds	Airspeed	Definition
Vs1		
Vs0		
Vr		
Vx		
Vy		
Vfe		
Va		
Vno		
Vne		
Vg		

2. What is the maximum gross takeoff weight for your aircraft? _____

3. What is the minimum oil level before you should add a quart of oil to the engine? _____

4. What is the maximum oil level for your aircrafts engine? _____

5. What is the maximum *useable* fuel load in gallons that your aircraft will hold? _____

6. What is the average fuel burn for this aircraft, expressed in gallons per hour? _____

7. Describe best glide speed, when it would be good to use this speed, and what this speed is?

8. What are basic VFR weather minimums for the Class E airspace which covers KBWG?

9. What 4 documents should a student pilot have with them before conducting a solo flight?

10. Describe proper avoidance for wake turbulence from other aircraft during takeoff and landing.

11. When an aircraft is approaching another head-on, each pilot should alter their course to the _____.

12. What preflight actions are required of a pilot prior to a flight? This includes regulatory items as well.

13. What are the Day and Night VFR fuel requirements, expressed in minutes of fuel needed?

Day: _____ Night: _____

14. Can you carry passengers as a student pilot?

15. What documents must the airplane have onboard to be considered legal for flight?

16. Why do you use carburetor heat, and when should you use it?

17. In which flight condition must an airplane be placed in order to spin?

- A. Partially stalled with one wing low
- B. Fully Stalled
- C. In a steep diving spiral

18. Explain how to recover from a spin condition?

19. If you unexpectedly hear the stall warning horn, what should be your reaction?

20. You may not operate an aircraft after consumption alcoholic beverages within ____ Hours or with a blood alcohol content of ____% or greater.

21. List the elements in the "I'M SAFE" checklist. Circle the element you are most likely to compromise and write a statement explaining why.

I
M
S
A
F
E

22. How does the procedure for a fire on startup differ from an engine fire in flight?

23. Which color on an airspeed indicator indentifies the power-off stalling speed with wing flaps down in the landing configuration?

- A. Upper limit of the green arc
- B. Lower limit of the green arc
- C. Lower limit of the white arc

22. What are the common radio frequencies used at your airport and what are they used for?

23. What happens to your take off distance and climb performance when it is hot outside?

24. What do flaps do and when do you typically use flaps?

24. You find yourself turning on a downwind for Runway 3 and a Gulfstream (Large Business Jet) calls a 12 mile final for runway 3. What will you do and would you have any special considerations to think about?

25. Draw an airport traffic pattern and choose the runway that best suits the wind. Label each leg and also notate proper entry and exit points. Weather: **0612KT 10SM OVC030 04/M01 A3019**

