



## **PRESOLO STUDENT PILOT EXAM**

This exam is open book. Consider using FAR/AIM, POH, Airplane Flying Handbook.

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Flight Instructor: \_\_\_\_\_

### **PREFLIGHT PREPARATION**

1. List the elements you are responsible for in your preflight planning?
2. Who is responsible for determining aircraft airworthiness? How is it determined?
3. What documents are required to be on board the aircraft for all flights?
4. What documents are students required to carry while flying solo?
5. When flying solo, how many passengers can you carry?
6. Who is the Pilot In Command during a student solo flight?
7. What are the required fuel reserves for VFR day and night flights?
8. What is the minimum amount of time a pilot is required to wait after the consumption of alcohol?
9. What are the basic VFR weather minimums? What are the student pilot limitations concerning visibility, ceilings, and flight above clouds?



10. Define Night as per the Federal Aviation Regulations. When is Student Pilot solo night flight permitted?

11. What are your solo limitations related to winds and crosswind component? What is your aircraft maximum crosswind component?

### **YOUR AIRCRAFT**

12. Define and list the following speeds for your aircraft:

Vs. \_\_\_\_\_

Vso \_\_\_\_\_

Vx \_\_\_\_\_

Vy. \_\_\_\_\_

Va. \_\_\_\_\_

Vfe \_\_\_\_\_

Vno \_\_\_\_\_

Vne \_\_\_\_\_

13. List the minimum equipment and instruments that must be working properly in your aircraft for day VFR flight?

14. What is the airplane's best glide speed? When is it used?

15. What is the maximum gross weight of the airplane in the Normal category?

16. What is the oil capacity in your airplane? What is the minimum?

17. What is the correct fuel grade and color?

18. What is the total usable fuel capacity? How long can it be expected to last?



19. What do you set the altimeter to if the AWOS is inoperative?
20. What are the transponder codes available to use and what do they mean?
21. Why are there two magnetos and how do you know if they are not working properly?
22. During a mag check, what is the maximum allowable rpm drop?
23. What is the Checklist performed after applying full throttle on take-off?

## **OPERATIONS**

24. What is the Common Traffic Frequency (CTAF) at Jimmy Stewart Airport?
25. What is the AWOS frequency at Jimmy Stewart Airport?
26. What is Johnstown Approach Frequency?
27. What is the runway length for Runway 29 / 11?
28. What is the Field Elevation at Jimmy Stewart Airport?
29. Explain traffic pattern entry at untowered airports.
30. What checklist items are performed before landing?
31. Which aircraft has the right of way when two aircraft are on final approach at the same time?



32. What are wing-tip vortices (wake turbulence)? Describe the proper avoidance.
33. What will happen if you accidentally turn off the Master Switch while flying?
34. During taxi or engine run-up you cause rocks, debris, and propeller blast to be directed toward another aircraft. Could this be considered careless and reckless operation?
35. Describe the emergency procedures for partial or complete engine failure at (1) immediately after take-off and (2) at altitude.
36. Explain the procedure for executing a go-around.
37. When do you perform a go-around?
38. When two aircraft are approaching each other head-on, in which direction do you turn?
39. What is Wheel barrowing? Porpoising? What are the corrective actions?
40. What would you do if your radio failed?

#### **SAFETY OF FLIGHT**

41. What is the proper technique for overtaking another aircraft? Who has right of way?
42. Explain the proper technique for performing stalls.
43. What are the symptoms of carbon monoxide poisoning and what do you do if you think you may be experiencing it?



44. What is the minimum safe altitude anywhere? Over congested areas?
45. When must the aircraft's navigation lights be on?
46. What is your personal safety checklist?
47. Who is entitled to request to examine your documents?
48. What is the first indication of carburetor ice and what is the corrective procedure?