



PRP Pre-Solo Knowledge Test

Name: _____

Date: _____

Administered to comply with FAR 61.87

1. What documents are required for a student pilot to solo?
2. What preflight action is required of a pilot prior to a flight? What regulation says this?
3. What is the maximum amount of passengers you can take up on a student solo?
4. How long do you have to wait to fly after drinking alcohol? What regulation says this?
5. How long is your solo endorsement valid?
6. What are the basic VFR weather minimums?
7. What aircraft documents must be on board to fly?
8. What is the maximum and minimum gross weight of your aircraft?
9. What is the maximum and minimum oil sump capacity in your aircraft?
10. What is the maximum usable fuel in your aircraft? Total fuel? How much fuel do we use per hour conservatively?
11. Why do we sump the fuel tanks? What are we checking for?
12. What grade(s) of fuel can our aircraft use? What color is it?

13. What are the minimum VFR fuel requirements? Day? Night? What regulation says this?

14. What light(s) are required for a day VFR flight? What regulation says this?

15. What are we checking the tires and breaks for?

16. If liquid is dripping from the bottom of your aircraft should you fly?

17. List the following frequencies:

Guard	_____
KOCF ATIS	_____
KOCF Tower	_____
KOCF Ground	_____
X35 CTAF	_____
X60 AWOS	_____
X60 CTAF	_____
JAX Approach	_____

18. What is the max allowable RPM drop and difference during the mag check in the runup?

19. What should you do if you experience engine roughness during the runup?

20. At a towered airport, when can you cross the runway hold short line? Non-towered?

21. List the V-Speeds and Definitions for your solo aircraft:

	Indicated Airspeed	Marking on Airspeed Indicator	Definition
V_{SO}	_____	_____	_____
V_S	_____	_____	_____
V_R	_____	N/A	_____
V_X	_____	N/A	_____
V_Y	_____	N/A	_____
V_G	_____	N/A	_____
V_{FE}	_____	_____	_____
V_O	_____	N/A	_____
V_{NO}	_____	_____	_____
V_{NE}	_____	_____	_____

Maximum demonstrated crosswind component: _____



22. What should you do if you have an issue on takeoff prior to rotation or there is insufficient RW to takeoff?
23. What should you do if you have an engine failure after rotation and below 500 AGL?
24. What should you do if you have an engine failure in the takeoff climb above 500 AGL below 2000 AGL?
25. What should you do if you have an engine failure in the takeoff climb above 2000 AGL?
26. Write a sample pre takeoff brief.
27. What is the PRP philosophy for handling emergencies?
28. What should you do if you have an engine failure in flight?
29. What should you do if you have an engine fire in flight?
30. What should you do if you lose communication in flight?
31. What should you do if you lose ALT 1 in flight?

32. What is a stall? What causes a stall?

33. How do you recover from a stall?

34. What is a spin?

35. How do you recover from a spin?

36. What are the standard callouts on takeoff?

37. How long should you wait to depart after a large aircraft takes off or lands?

38. How far should you operate from thunderstorms?

39. What light gun signals can you expect if approaching a towered airport with loss of comms?

- a. What does a Steady Green Light mean?
- b. Flashing Green?
- c. Steady Red?
- d. Flashing Red?
- e. Alternating Green and Red?

40. Fill in the procedure for the traffic pattern

SR20 G6 TRAFFIC PATTERN WORKSHEET

Turning Crosswind: _____

WIND ↓

CROSSWIND _____

At TPA:

Prior to midfield:

Abeam TDP:

Touch Down Point (TDP)
(1000 ft markers)

Normal Takeoff:

Aim Point (2nd RW stripe)

36

On Final:

Turning Base:

On Base:

41. What is the maximum allowable pitch and bank?
42. When are you permitted to deviate from an ATC instruction?
43. What should you do when you are in the downwind and another aircraft is entering the 45° downwind putting you on a collision course?
44. Who has the right of way between you and a balloon? Glider? Airship?
45. When 2 aircraft are trying to land on the same runway, who has the right of way?
46. What is the minimum safe altitude anywhere? Congested area? Other than congested?
47. What are the entry requirements for Class C or D airspace?
48. List the cloud clearance and visibility requirements for C, D, E, and G airspace.
49. Can you operate in class B airspace as a student solo?
50. Why do we turn the mags from both to off back to both before shutdown?
51. When can we go around? What is the procedure?