



Orlando Sanford Flying Club

1754 Rinehart Rd. Sanford, FL 32771
(407) 617-9394
www.orlandosanfordflyingclub.com

1981 Cessna 172P Checkout Sheet

The following questions should be answered using the aircraft POH, AFM supplement for 172P weight increase, Jacksonville sectional, AFD, and FAR/AIM.

Name _____

Date _____

CFI _____

1. Define & list the following V-speeds for this aircraft:

VS _____ VX _____ VFE _____

VSO _____ VY _____ VNO _____

VR _____ VA _____ VNE _____

2. What is the best glide speed for this aircraft?

3. What is the approximate no-wind glide ratio (nm per 1000' AGL) of this aircraft?

4. What is the horsepower rating of the engine in this aircraft?

5. The maximum oil capacity of this aircraft is _____ quarts. Do not operate the aircraft with less than _____ quarts.

6. Total fuel capacity of this aircraft is _____ gallons. The useable amount is _____ gallons.

7. What is the voltage of the electrical system in this aircraft?

8. At what RPM is the magneto check done? What are the limitations regarding allowable RPM drop during the magneto check?

9. During the run-up the RPM drop on the L magneto exceeds the allowable limit. You suspect that a plug may be fouled. What is the correct procedure for trying to clean the plug?

10. What is the range of flap extension for this aircraft? Describe how the flap switch operates and how the flap position is controlled.

11. List the flap settings and speeds which are used for the following (assume max weight):

- Normal takeoff & landing. _____
- Short field takeoff & landing. _____
- Soft field takeoff & landing. _____

12. You are planning a day VFR flight from Sanford to Crystal River. There are no restrictions to visibility and the clouds along your route of flight are reported to be broken at 6800'. What altitude would you select for this flight? _____ Assuming standard temperature, what RPM setting would you use during cruise? _____ What fuel burn (GPH) can you expect at this setting? _____ Approximately what endurance can we expect under these conditions assuming full tanks? _____



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13. What is the recommended leaning procedure for this aircraft without the use of an EGT?

14. What procedures should be followed for a go-around?

15. What is the maximum allowable takeoff weight for this aircraft?

16. Assume an empty aircraft weight of 1541.88 lbs and an empty aircraft moment of 57473.74 lb-inches. What is the maximum payload for this aircraft with the tanks full of fuel?

17. Complete a weight & balance problem for this aircraft assuming you in the pilot seat, a typical passenger in the co-pilot seat, 20 lbs of baggage on the rear seat, 20 lbs of baggage in the cargo area directly behind the rear seats, and full fuel.

18. Assume you are departing from SFB and are using runway 9R. The current winds are from 070 at 10 knots. What are the headwind & crosswind components?

19. Compute takeoff & landing distances in this aircraft using the information from the prior questions. Assume an altimeter setting of 30.02, an outside temperature of 86°F, and a dry level runway.

20. What recency of experience requirements must be met in order to act as PIC & carry passengers during the day? Are there different requirements for night?

21. You take a friend up for a flight in an OSFC aircraft. Can you allow your friend to fly the aircraft?

22. What are the FAA fuel requirements for VFR flight?

23. During the pre-flight inspection you determine that the HI is inoperative. Is it legal to fly the aircraft in this condition for a VFR flight? _____ What FAR do you reference?

24. During flight the low voltage indicator illuminates. What could be wrong?

Describe the steps you would take in this situation. What can you expect if no action is taken?



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25. During flight you notice that the oil pressure gauge is suddenly indicating low pressure. What could be wrong?

Describe the steps you would take in this situation.

26. During cruise flight you notice that the engine RPM is below your original setting. You increase the throttle to adjust the RPM to the correct setting but shortly thereafter it has dropped again. What could be the problem and what actions would you take?

27. Describe in general the emergency procedures for an engine failure during each of the following phases of flight:
takeoff roll _____
departure climb _____
normal cruise _____

28. Draw a diagram of the runways at SFB. Assuming the wind is coming from the east and you are using runway 9R, draw the traffic pattern and label each leg including typical altitudes, airspeeds, power settings, flap settings, etc for this aircraft.

29. What type of airspace is associated with SFB?

30. You are planning a flight from SFB to St Augustine. List the appropriate frequencies you would expect to use during your departure from the airport.

31. Reference the attached sectional for the area around SFB. For each of the following positions list the class of airspace, the VFR-day weather minimums, and the communication requirement (if any):

- Position 1 at 1500' MSL _____
- Position 2 at 3500' MSL _____
- Position 3 at 4500' MSL _____
- Position 4 at 2500' MSL _____

32. Draw the pavement marking requiring you to stop before entering a runway.

33. The parking checklist includes a ground check of the magnetos. How and why is this done?