

# INITIAL/SIX MONTH QUIZ CHEROKEE PA-28-161 (N8325H)

Pilot \_\_\_\_\_ Instructor \_\_\_\_\_ Date \_\_\_\_\_

1. Maximum gross weight, normal category? \_\_\_\_\_ lbs  
Empty weight? \_\_\_\_\_ lbs  
Useful load? \_\_\_\_\_ lbs
2. Maximum weight utility category? \_\_\_\_\_ lbs
3. Maneuver restrictions, normal category? \_\_\_\_\_  
\_\_\_\_\_
4. Maneuvers allowed, utility category? \_\_\_\_\_ ,  
\_\_\_\_\_ , and \_\_\_\_\_
5. Engine manufacturer \_\_\_\_\_ . BHP \_\_\_\_\_ .
6. System oil capacity? \_\_\_\_\_ qts  
Minimum operating quantity? \_\_\_\_\_ qts  
(Discuss this with your instructor.)
7. Fuel capacity \_\_\_\_\_ gals. Useable fuel \_\_\_\_\_ gals.
8. Authorized fuel grades / colors \_\_\_\_\_ / \_\_\_\_\_ ,  
\_\_\_\_\_ / \_\_\_\_\_ , \_\_\_\_\_ / \_\_\_\_\_ .
9. How many fuel drains are there? \_\_\_\_\_ . Where are they located?  
\_\_\_\_\_  
\_\_\_\_\_
10. The fuel tank selector has three positions. What are they?  
1) \_\_\_\_\_  
2) \_\_\_\_\_  
3) \_\_\_\_\_
11. In addition to the engine-driven fuel pump there is an \_\_\_\_\_  
to augment fuel flow to the engine.
12. With full fuel, what is the remaining useful load? \_\_\_\_\_
13. What is the baggage area load limit? \_\_\_\_\_ lbs in the \_\_\_\_\_  
category, only.

# INITIAL/SIX MONTH QUIZ CHEROKEE PA-28-161 (N8325H)

14. What indicated airspeeds relate to the following flight conditions?

Vso \_\_\_\_\_ KTS

Vr \_\_\_\_\_

Vbest glide \_\_\_\_\_

Vx \_\_\_\_\_ When is this speed used? \_\_\_\_\_

Vy \_\_\_\_\_ When is this speed used? \_\_\_\_\_

Va \_\_\_\_\_ When is this speed used? \_\_\_\_\_

Vfe \_\_\_\_\_

Vno \_\_\_\_\_

Vne \_\_\_\_\_

15. During runup the vacuum gauge should read \_\_\_\_\_ inches mercury at 2000 RPM.

16. What is the recommended fuel tank switching procedure?

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_

17. What is the recommended interval for switching tanks during cruise flight?

\_\_\_\_\_

18. Describe the short field takeoff procedure, with an obstacle to clear.

Flaps \_\_\_\_\_

Accelerate to \_\_\_\_\_

Rotate

Accelerate to \_\_\_\_\_

Flaps \_\_\_\_\_

19. The electrical system is rated at \_\_\_\_\_ volts with a \_\_\_\_\_ amp alternator.

20. What does the ammeter in this system indicate? \_\_\_\_\_

\_\_\_\_\_

21. What is the corrective action if no load is indicated on the ammeter during normal operation?

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_

# INITIAL/SIX MONTH QUIZ CHEROKEE PA-28-161 (N8325H)

22. Where is the ELT located? \_\_\_\_\_
23. Where is the static port located? \_\_\_\_\_
24. How and where can the static and pitot lines be drained? \_\_\_\_\_  
\_\_\_\_\_
25. What can be the detrimental result of using carburetor heat with full throttle applied, such as during a go-around? \_\_\_\_\_ and \_\_\_\_\_ .
26. What are the minimum takeoff distances under the following conditions?  
Gross weight, sea level, standard temperature, 5 knot headwind, 50 foot obstacle  
\_\_\_\_\_  
  
Gross weight, 3000 foot field elevation, standard temperature day, 10 knot headwind, 50 foot obstacle \_\_\_\_\_
27. What is the procedure when using a ground service power unit to start the engine?  
1) \_\_\_\_\_  
2) \_\_\_\_\_  
3) \_\_\_\_\_  
4) \_\_\_\_\_  
5) \_\_\_\_\_
28. What is the respective purpose of the WT and LC portions of the split panel light switch? WT: \_\_\_\_\_  
LC: \_\_\_\_\_
29. In what settings does the pilot position switches in order to fly with the wing tip pulse lights illuminated in flight?  
  
\_\_\_\_\_
30. The airplane has an S-tec System Sixty Two autopilot. Under what conditions must the runup test be completed with respect to the autopilot? Select correct answer(s)  
a. Prior to any flight  
b. Prior to using the autopilot in flight  
c. Prior to flying with a passenger  
d. The test is not required
31. What are the five limitations for the S-tec System 60 Two autopilot that are specified by the FAA approved Airplane Flight Manual Supplement?  
1) \_\_\_\_\_  
2) \_\_\_\_\_

**INITIAL/SIX MONTH QUIZ  
CHEROKEE PA-28-161 (N8325H)**

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

32. What are the two ways that the autopilot may be disconnected?

1) \_\_\_\_\_

2) \_\_\_\_\_