

Beech Sierra C24R – BEFA Quiz

1. How do you shut the doors? _____
2. How many and where are the fuel sumps located? _____
3. What is special about the center fuel sump? _____
4. What is the horsepower of the engine? _____
5. What is the Serial number? _____
6. This aircraft has a _____ Volt system.
7. What is the Maximum Continuous Power at Full Throttle? _____
8. The minimum Grade of Avgas is _____ which is _____ in color.
9. What is the fuel capacity of each tank? Full: _____ at Slot _____ at bottom of Tab _____
10. What is the Total Usable Fuel? Full: _____
11. The Maximum Oil Capacity is _____ quarts; the minimum is _____ quarts.
12. What is the normal oil level? _____
13. Should you add oil if at or just slightly below 6 quarts? _____
14. The Maximum Ramp Weight is _____
15. The Maximum Take-off Weight is _____
16. Maximum weight in the Baggage Compartment is _____
17. What are the following airspeeds?
 - a. Never Exceed V_{NE} : _____
 - b. Max Structural Cruise V_{NO} : _____
 - c. Maneuvering V_A : _____
 - d. Max Flap Extend V_{FE} : _____
 - e. Max Landing Gear Operation V_{LO} : _____
 - f. Max Landing Gear extended speed V_{LE} : _____
 - g. Max Landing Gear Retraction: _____
 - h. Best Angle-of-Climb V_X : _____
 - i. Best Rate-of-Climb V_Y : _____
 - j. Stall Speed V_S : _____
 - k. Stall Speed when in landing configuration V_{SO} : _____
 - l. Best glide speed: _____
18. What is the configuration for best glide?
 - a. _____
 - b. _____
 - c. _____
 - d. Airspeed _____
19. Use _____ degrees of Flaps for Take-off.

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20. Fuel management – do not take off if either fuel indicator indicates in the _____ band.

21. The maximum entry speed for steep turns is _____

22. The first notch of flaps is ___ degrees, second ___ degrees, and third ___ degrees.

23. To operate the Emergency Landing Gear Extension you must:

a. _____

d. _____

b. _____

e. _____

c. _____

24. What are the procedures for Engine Failure after takeoff and in flight?

a. _____

d. _____

b. _____

e. _____

c. _____

25. What are indications that the alternator has failed?

26. If the alternator fails how you do attempt to bring it back online?

27. What is the procedure if unable to bring the alternator back online?

28. Describe the spin recovery procedure.

29. The Maximum Demonstrated Crosswind Component is _____

30. The Maximum Turbulent Air Penetration Speed is _____

31. The Take-off/Rotation speed is _____

32. Describe the procedures to a cold engine start.

a. _____

d. _____

b. _____

e. _____

c. _____

33. Describe the procedures for a flooded engine start.

a. _____

d. _____

b. _____

e. _____

c. _____

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34. True/False – The fuel boost pump should be used only for starting the engine and in the event of an emergency. It should not be used to take off or land.
35. True/False – For normal takeoff a rolling start/takeoff is NOT recommended. The power and mixture should be set before release of the brakes.
36. True/False – For cold weather operations always pull the propeller through by hand, opposite the direction of rotation, several times to clear the engine and “limber up” the cold, heavy oil before using the starter.
37. True/False – Flight into known icing is permitted.
38. True/False – When extending the flaps one should depress the thumb button.
39. What is the minimum wing-tip turning radius, using full steering, one brake and partial power while on the ground?
40. What is indicated when a red light illuminates on the landing gear position indicator light?
41. How do you set the intensity of the landing gear position indicator lights?
42. How can you tell if you have had an improper response of the landing gear?
43. How can one reset the landing gear time delay relay?
44. How do you set the parking brake?
45. True/False – When closing the last door to the airplane opening the storm window will alleviate pressure inside the cabin and assist with closing the door.
46. The recommend tire pressure is ____ main gear and ____ for the nose gear.