

CHEROKEE 140 KNOWLEDGE EXAM

1. The flaps must be _____ when used as a step. The flaps have three extended positions, _____, _____ and _____ degrees.
2. The auxiliary electric fuel pump should be on for _____ and _____ and when _____ tanks.
3. A _____ switch on the _____ side of the switch panel controls the _____ lights and the intensity of the instrument panel lighting. *NOTE: The anti-collision light switch remains ON at all times in WINFC aircraft unless the light is distracting during IMC flights.*
4. If no output is indicated on the ammeter and both associated circuit breakers are not out (open), turn off the _____ switch for 30 seconds to reset the _____ relay.
5. To engage the starter, rotate the magneto switch (key) clockwise and _____ in.
6. If the engine does not fire within five to ten seconds, disengage starter and prime with _____ to _____ strokes of the priming pump. *NOTE: Two to three strokes of the priming pump are required even for the first start at NUW.*
7. After engine start, advance the throttle to _____ RPMs. If oil pressure is not indicated within _____ seconds, stop the engine. *NOTE: In cold weather (below 25° F) it may take a few seconds longer to obtain a rise in oil pressure. Do not advance RPMs above 800 until the oil pressure remains in limits.*
8. Starter limits are _____ seconds on, followed by a _____ minute rest before the next start attempt.
9. Warm up the engine at _____ to _____ RPMs.
10. The engine is warmed up sufficiently if the throttle may be opened fully without _____ or _____, and without reduction in engine _____.
11. Normal take-offs are performed by accelerating to _____ - _____ MPH, then ease back on the wheel enough to let the airplane fly itself from the ground. *NOTE: V_{lof} = 69 MPH.*
12. Best Angle of Climb (V_x) = _____ MPH
Best Rate of Climb (V_y) = _____ MPH
Enroute Climb Speed = _____ MPH
13. The stall warning light comes on between _____ & _____ MPH before the stall.
14. Gross weight stalling speed with power off and full flaps (V_{so}) is _____ MPH. With flaps up (V_{s1}) is _____ MPH.
15. The mixture should not be leaned below _____ feet altitude.
16. To lean the mixture, pull the mixture control until the engine becomes _____, indicating that the lean mixture limit has been reached in the leaner cylinders. Then _____ the mixture control until the engine operation becomes smooth.
17. Maximum flap operating airspeed (V_f) is _____ MPH.
18. Full throttle operation with carburetor heat on is likely to cause _____.
19. Braking is most effective when _____ is applied to the control wheel, putting most of the aircraft weight on the main wheels. *NOTE: The Owner's Handbook states that flaps should be retracted before applying the brakes to reduce skidding. This procedure should only be used on wet or short runways.*
20. Prior to securing the engine, the throttle should be full aft (out) to avoid engine _____. *NOTE: Securing the engine at higher RPMs may damage the engine mounts.*
21. Before attempting to reset a circuit breaker, allow _____ to _____ minutes for cooling.
22. The pilot should become familiar with the proper positioning of his feet on the rudder pedals so as to avoid interference with the _____ when moving the rudder pedals or operating the toe brakes.
23. Partial carburetor heat may be worse than no heat at all, since it may partially melt ice, which will _____ in the intake system.
24. True or False? An open door in light will not affect normal flight characteristics, and a normal landing can be made with the door open.

Pilot _____ CFI _____ Date _____