

CESSNA 172 KNOWLEDGE EXAM

1. Maneuvering speed at maximum gross weight (V_a) is _____.
2. The upper limit of the white arc on the airspeed indicator is at _____ KIAS and is the maximum speed to extend the flaps.
3. Avoid slips with _____.
4. The IAS for maximum glide is _____.
5. Ditching with power, establish a _____ ft/min descent at _____ KIAS with the flaps set between 10° and full down.
6. If ditching without power, establish a descent at _____ KIAS with flaps _____, or at _____ KIAS with flaps at 10° .
7. To clear carburetor ice, apply _____ throttle and pull the carburetor heat knob _____ out until the engine runs smoothly. *NOTE: Leaning the mixture may be required.*
8. When starting the engine in warm temperatures, _____ or _____ strokes of the primer should be sufficient. In cold weather, up to _____ strokes of the primer may be necessary.
9. For a normal take-off, lift the nose wheel at _____ KIAS. Climb at _____ to _____ KIAS.
10. (Short-field, no obstacle) Use _____ degrees flaps for take-off; climb at _____ KIAS.
11. During descents the mixture should be adjusted for smooth operation. Use full _____ mixture for idle power descents.
12. Normal landing KIAS should be _____ to _____ (Flaps 0°), _____ to _____ (flaps down).
13. Oil pressure should rise within _____ seconds in the summer and _____ in the winter.
14. If oil temperature does not indicate prior to takeoff, slowly apply _____. If the engine accelerates smoothly, and the oil pressure remains normal, the airplane is ready for take-off.
15. Enroute climb speed should be _____ to _____ KIAS above best rate-of-climb speed (V_y).
16. The mixture should be full rich below _____ feet density altitude.
17. Prior to take-off from fields above _____ feet elevation (density altitude), the mixture should be leaned to give maximum RPM in a full throttle, static run-up.
18. _____ should be applied before any significant reduction or closing of the throttle.
19. Pumping the throttle may create a _____ hazard in the event of a backfire.
20. _____ KIAS is power off stall speed (forward CG) at gross weight, 45° angle of bank with full flaps.
21. The engine should not be operated with oil less than _____ quarts. Fill to _____ quarts for normal flight of less than three hours. For extended flights, fill to eight quarts. (*WINFC SOP*)

Pilot _____ CFI _____ Date _____