

CESSNA 172 P KNOWLEDGE EXAM

1. Maneuvering speed at maximum gross weight (Va) 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 steep 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 20° - 30°.
6. If ditching without power, establish a descent at _____ KIAS with flaps _____, or at _____ KIAS with flaps at 10°.
7. Carburetor ice as evidence of drop in _____ can be removed by applications of _____ carburetor heat.
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. Use _____ degrees flaps for a short field 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. Enroute climb speed should be _____ to _____ KIAS above best rate-of-climb speed (Vy).
15. The mixture should be full rich below _____ feet density altitude.
16. 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.
17. _____ should be applied before any significant reduction or closing of the throttle.
18. Pumping the throttle may create a _____ hazard in the event of a backfire.
19. _____ KIAS is power off stall speed (forward CG) at gross weight, 45° angle of bank with full flaps.
20. As per club SOP's (SOP 102) fill oil to _____ quarts for normal flight of less than three hours. For extended flights, fill to eight quarts.
21. There are two graphs for confirming aircraft weight and balance, and CG conditions, name them:
 1. _____
 2. _____
 3. _____

Pilot _____ CFI _____ Date _____