

SIX MONTH QUIZ

CESSNA 150M

Pilot _____ Instructor _____ Date _____

1. Maximum takeoff gross weight? _____ lbs
Useful load? _____ lbs
Remaining useful load with full fuel? _____ lbs
 2. Do all of the Befco 150's have the same useful load? _____
 3. What are the useful loads of the Befco 150 fleet? 704RY _____
 4. Oil capacity? _____ qts
Minimum quantity during flight? _____ qts
 5. Useable fuel? _____ gals
Fuel grade should be _____, colored _____.
Fuel grade can be _____, colored _____; or _____, colored _____.
 6. Where are the fuel system drains located? _____

 7. What could be the result of a blocked fuel system vent? _____

 8. Using the Pilot's Operating Handbook (POH) numbers associated with a new aircraft, what quantity of fuel would equate to one hour of usable fuel at 75% power?
_____ gals
 9. Considering the age of our 150 fleet, what quantity of fuel would equate to one hour of usable fuel at 75% power? _____ gals
 10. In the event of a fuel-critical situation on a standard temperature day, what RPM, %BHP, airspeed, fuel rate, and altitude might be appropriate to extend the time aloft?
RPM _____
%BHP _____
Airspeed _____
Fuel rate _____
Altitude _____
 11. Which instruments are powered by the vacuum system? _____

- What is the normal range of vacuum? _____

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12. List the airspeeds associated with the following terms.

V_{so} _____

V_r _____

V_{max glide} _____

V_x _____ When is this speed used? _____

V_y _____ When is this speed used? _____

V_a _____ When is this speed used? _____

11. What is the flap deployment limitation airspeed? _____

12. Carburetor heat should be off during all ground operations except to test during runup or to clear ice from the carburetor. Why? _____

13. After starting the engine, the ammeter indicates a continuous discharge at 1000 to 1200 rpm. What malfunction might be expected? _____

14. Flap position for a short field takeoff is _____;
for a soft field takeoff is _____.

15. What is the procedure when using a ground service power unit to start the engine?

16. What range is listed in the POH with maximum fuel when cruising at 6500 feet, zero headwind, 65% power, with a 45 minute reserve of fuel? _____

17. What maximum rate of climb (V_y) is listed in the POH for maximum gross weight, pressure altitude 6000 feet, and OAT 20 degrees C? _____

18. What are the takeoff distances under the following conditions? Runway 22, pressure altitude 3500 feet, temperature 85 degrees F, wind 220/10 knots, A/C maximum gross weight, grass runway.

ground roll _____

50 foot obstacle clearance _____

19. What are the landing distances under the following conditions? Runway 27, pressure altitude 2000 feet, temperature 85 degrees F, wind 290/10 knots, dry grass.

50 foot obstacle clearance _____

ground roll _____

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20. During flight, if the high voltage light illuminates, what action should be taken?

21. If, after completing the action in Question 20, the high voltage light continues to be illuminated, what action should be taken? _____

22. If the ammeter indicates an excessive rate of discharge during flight, what action should be taken? _____

23. List the items included in the prelanding checklist. _____

24. In order to develop full power when above 5000 feet msl it is necessary to _____
_____ to attain maximum _____.
25. What is the primary means of differentiating whether the A/C is involved in a spiral dive or a spin? _____
26. On takeoff when remaining in the traffic pattern, what altitude should the pilot reach before turning crosswind? _____
27. On takeoff when exiting the traffic pattern, what altitude should the pilot reach before turning crosswind? _____ Are there any exceptions to this rule? _____
28. When in the traffic pattern, the downwind leg should be flown _____ of I405
29. At what altitude should a pilot cross the "white water tower" when directed to cross over it on the 45? _____
30. On approach for landing what is the minimum descent altitude over the noise sensitive areas of Kennydale and Renton East Hill? _____
31. When departing on an East Channel departure, when should you turn to fly down the center of the channel? _____ or _____ whichever occurs first.
32. What concerns override noise abatement procedures? _____ and _____
