

# SIX MONTH QUIZ

## CESSNA 150M

Pilot \_\_\_\_\_ Instructor \_\_\_\_\_ Date \_\_\_\_\_

- Maximum takeoff gross weight? \_\_\_\_\_ lbs  
Useful load? \_\_\_\_\_ lbs  
Remaining useful load with full fuel? \_\_\_\_\_ lbs
- Do all of the Befaf 150's have the same useful load? \_\_\_\_\_
- What are the useful loads of the Befaf 150 fleet? 704GC \_\_\_\_\_  
704RY \_\_\_\_\_  
704ML \_\_\_\_\_  
8326U \_\_\_\_\_
- Oil capacity? \_\_\_\_\_ qts  
Minimum quantity during flight? \_\_\_\_\_ qts
- Useable fuel? \_\_\_\_\_ gals  
Fuel grade should be \_\_\_\_\_, colored \_\_\_\_\_.  
Fuel grade can be \_\_\_\_\_, colored \_\_\_\_\_; or \_\_\_\_\_, colored \_\_\_\_\_.
- Where are the fuel system drains located? \_\_\_\_\_  
\_\_\_\_\_
- What could be the result of a blocked fuel system vent? \_\_\_\_\_  
\_\_\_\_\_
- 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
- Considering the age of our 150 fleet, what quantity of fuel would equate to one hour of usable fuel at 75% power? \_\_\_\_\_ gals
- 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 \_\_\_\_\_

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11. Which instruments are powered by the vacuum system? \_\_\_\_\_  
\_\_\_\_\_
- What is the normal range of vacuum? \_\_\_\_\_
12. List the airspeeds associated with the following terms.
- V<sub>so</sub> \_\_\_\_\_
- V<sub>r</sub> \_\_\_\_\_
- V<sub>max glide</sub> \_\_\_\_\_
- V<sub>x</sub> \_\_\_\_\_ When is this speed used? \_\_\_\_\_
- \_\_\_\_\_
- V<sub>y</sub> \_\_\_\_\_ When is this speed used? \_\_\_\_\_
- \_\_\_\_\_
- V<sub>a</sub> \_\_\_\_\_ 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<sub>y</sub>) 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 \_\_\_\_\_

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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 \_\_\_\_\_
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 Kenndale 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.

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32. What concerns override noise abatement procedures? \_\_\_\_\_ and  
\_\_\_\_\_