

# C150 AIRCRAFT Test

## FMFA, Inc. -- Ft Meade, MD (KFME)

Pilot: \_\_\_\_\_

Date: \_\_\_\_\_

Complete this open book questionnaire using the Flight Manual/POH/Checklist. If a question or part of a question is not applicable, write in NA. Your flight instructor will review and grade the questionnaire. Minimum passing score is no more than 6 wrong. The completed questionnaire will be filed in the pilot's personnel file (PF) by appropriate personnel once the date of this questionnaire has been entered into the FMFA, INC. Dispatch System.

1. Total fuel capacity for the Cessna 150 (standard tanks) is \_\_\_\_ gallons with \_\_\_\_ of useable fuel.
  - a. 26, 22.5
  - b. 27, 25
  - c. 25, 24
  - d. 26, 24.5
  - e. 25, 24.5
2. What is the correct fuel grade and color for the Cessna 150?
  - a. 100LL, Red
  - b. 100LL, Blue
  - c. 85LL, Green
  - d. 100/130, Purple
3. The fuel drains should be drained/checked after each refueling and on the preflight check.
  - a. True
  - b. False
4. Endurance at 75% power at 5000 ft PA with a 1 hour reserve is \_\_\_\_ hours with standard conditions, lean mixture, no allowance for take-off or climb, standard tanks.
  - a. 4.0
  - b. 4.5
  - c. 3.0
  - d. 3.5
  - e. 3.7
5. What is the best glide speed for the Cessna 150 (MPH IAS)?
  - a. 74
  - b. 60
  - c. 67
  - d. 65
  - e. 74
6. Select the positions for the fuel tank selector.
  - a. Left, Right, Off
  - b. Both, Left, Right
  - c. On, Off
  - d. Off, Right, Both, Left
7. Select the maximum flap extension speed (MPH IAS, Top of White Arc)
  - a. 95
  - b. 90
  - c. 100
  - d. 85
8. Select the maximum demonstrated crosswind component (KTS) for the Cessna 150
  - a. 15
  - b. 14
  - c. 13
  - d. 12
9. What is the method of detecting carburetor ice in the Cessna 150?
  - a. Decrease in airspeed
  - b. Reduction in RPM
  - c. Reduction in Manifold Pressure
10. Select the minimum and maximum oil level in quarts.
  - a. 5, 6
  - b. 6, 8
  - c. 5, 7
  - d. 2, 6
  - e. 4, 6
11. Maximum baggage compartment weight in Area 1 is \_\_\_\_\_.
  - a. 120
  - b. 50
  - c. 60
  - d. 75
  - e. 40
12. Maximum baggage compartment weight in Area 2 is \_\_\_\_\_.
  - a. 120
  - b. 50
  - c. 60
  - d. 75
  - e. 40
13. What is the voltage of the electrical system?
  - a. 12/14
  - b. 24/26
  - c. 10/12
  - d. 16/18

FAA Tail No.	N63532		Color	W/R
Flight Plan Designator	C152/A		Useable Fuel	22.5 gal
Year of Manufacture	1975		Make/Model	Cessna 150M
	±±	Weight	Arm	Moment
Basic Emp Wgt	29-Jun-2018	1131.35	32.430	36684.40
Fuel (Gal):	22.5		42.222	
Oil		0.00	-9.091	
Pilot		170.00	39.118	
Copilot		170.00	39.118	
Bag - Area 1		35.00	64.444	
Bag - Area 2		0.00	85.714	
		Weight	Arm	Moment
Ramp				
Takeoff				
No Fuel				

# C150 AIRCRAFT Test FMFA, Inc. -- Ft Meade, MD (KFME)

Pilot: \_\_\_\_\_

Date: \_\_\_\_\_

14. Complete table for aircraft depicted above. The aircraft table above indicates that it is IN / NOT IN weight & balance limits (Circle)
15. The stall warning horn in the C150M will work without power.
  - a. True      b. False
16. Spins are allowable for this aircraft (True / False - Circle Correct)
17. Flaps are hydraulic/electric/manual (Circle) with continuously adjustable settings of 0-40°.
18. When are slips allowed in the C150M?
  - a. In any configuration      b. With 20° flaps or less      c. Only without flaps
19. For the Cessna 150 Vx is \_\_\_ MPH and Vy is \_\_\_ MPH.
  - a. 57, 73      b. 60, 70      c. 63, 72      d. 54, 67
20. What is the maneuvering speed, Va (MPH) at maximum gross weight?
  - a. 104      b. 97      c. 109      d. 121      e. 101
21. If low oil pressure is accompanied by normal oil temperature:
  - a. Continue and monitor gauges for remainder of flight      b. Land at nearest airport and inspect
  - c. Operate at reduced power setting      d. Ignore indication as faulty and continue flight
22. Give the immediate action/memory items for the Cessna 150M:

a. Engine failure immediately after takeoff:

1.	4.
2.	5.
3.	6.

b. Engine fire and engine fails to start

1.	5.
2.	6.
3.	7.
4.	8.

c. Engine fire in flight

1.	4.
2.	5.
3.	6.

d. Electrical fire in flight

1.	3.
2.	4.

23. Given: PA = 2000 ft; Temp = 30 C; RWY 27; Wind 320@12; RWY is paved, level, and dry

Find: Total takeoff distance to clear a 50' obstacle at max takeoff weight \_\_\_\_\_ ft

**Corrected by:** \_\_\_\_\_