

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 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	Weight	Color	W/R	gal
Flight Plan Designator	C150/U	Arm	Useable Fuel	22.5	
Year of Manufacture	1975	Moment	Make/ Model	Cessna 150M	
	##				
Basic Empty Wgt	29-Jun-2018	1131.35	32.425	36684.40	
Fuel (Gal):	22.5	135.00	42.222		
Oil		11.00	-9.091		
Pilot		170.00	39.118		
Copilot		170.00	39.118		
Baggage - Area 1		35.00	64.444		
Baggage - Area 2		0.00	85.714		
Ramp		1652.35	35.005		
Takeoff		1641.35	34.977		
No Fuel		1517.35	34.363		

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14. Complete table for aircraft depicted above. The aircraft 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. a. True b. False
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
 - b. Operate at reduced power setting
 - c. 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. Airspeed - 70 mph Flaps Up, 65 mph Flaps Down	4. Magnetos - Off
2. Mixture - Idle Cutoff	5. Flaps - as required
3. Fuel Selector - Off	6. Master Switch - Off

b. Engine fire and engine fails to start

1. Cranking - Continue	5. Ignition Switch - Off
2. Fire Extinguisher - Obtain	6. Fuel Shutoff Valve - Off
3. Engine - Secure	7. Fire - Extinguish
4. Master Switch - Off	8. Fire Damage - Inspect

c. Engine fire in flight

1. Mixture - Idle Cut-Off	4. Cabin Heat & Air - Off
2. Fuel Shutoff Valve - Off	5. Airspeed - 100 mph or higher to extinguish flames
3. Master Switch - Off	6. Forced Landing - Execute

d. Electrical fire in flight

1. Master Switch - Off	3. Vents/Cabin Air/Heat - Closed
2. All Other Switches - Off (except ignition switch)	4. Fire Extinguisher - Activate

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: _____