

C172 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. Those C172s with long range tanks have _____ gallons useable and _____ gallons total fuel.
a. 52, 55 b. 50, 54 c. 42, 46 d. 42, 44
2. Those C172s with standard fuel tanks have _____ gallons useable and _____ gallons total fuel.
a. 52, 55 b. 50, 54 c. 40, 43 d. 42, 46
3. FMFA's C172P-160 (N783FM) has a MGW of 2400 lbs.
a. True b. False
4. FMFA's C172P-180 fleet (N781FM and N782FM) has a MGW of 2550 lbs.
a. True b. False
5. The engines for N781FM and N782FM develop 180 HP. The engine for N783FM develops 160 HP.
a. True b. False
6. What is the best glide speed for the Cessna 172 (KIAS)?
a. 74 b. 60 c. 67 d. 65 e. 74
7. Select the positions for the fuel tank selector.
a. Left, Right, Off b. Both, Left, Right c. On, Off d. Off, Right, Both, Left
8. Select the maximum flap extension speed for less than or equal 10 degrees & greater than 10 degrees (KIAS)
a. 105/95 b. 107/90 c. 115/100 d. 110/85
9. Select the maximum demonstrated crosswind component (KTS) for the Cessna 172
a. 15 b. 14 c. 13 d. 17
10. What is the method of detecting carburetor ice in the Cessna 172?
a. Decrease in airspeed b. Reduction in RPM c. Reduction in Manifold Pressure
11. Select the minimum and maximum oil levels in quarts for the 160 HP engine C172P aircraft.
a. 5, 8 b. 6, 8 c. 5, 7 d. 2, 6 e. 4, 6
12. Select the minimum and maximum oil levels in quarts for the 180 HP engine C172P aircraft.
a. 5, 8 b. 6, 8 c. 5, 7 d. 2, 6 e. 4, 6
13. Maximum baggage compartment weight in Area 1 is _____.
a. 120 b. 50 c. 60 d. 75 e. 40
14. Maximum baggage compartment weight in Area 2 is _____.
a. 120 b. 50 c. 60 d. 75 e. 40
15. What is the voltage of the C172P electrical system?
a. 12 b. 24 c. 10 d. 20
16. Given: Approximately 75% power, 4000 ft PA, Standard Conditions, Mixture leaned. The fuel flow for the 160 HP and 180 HP C172 are approximately 8.5 and 10.0 GPH, respectively. a. True b. False
17. The stall warning horn in the C172 will work without power.
a. True b. False
18. A C172P-160 takeoff can be made safely from RWY 18 using the following (True / False - Circle Correct)
Max Gross Weight, 50 ft Obstacle, RWY 18 is 2000 ft, OAT 96 F, PA is 2000 ft, Wind is 350 at 5 Kts
19. C172P Flaps are hydraulic/electric/manual (Circle) with settings of 0 degrees to 30 degrees.
20. When are slips allowed in the C172?
a. In any configuration b. With 20° flaps or less c. Only without flaps

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21. For the Cessna 172P Vx is ___ KIAS with 0 degrees of flaps and ___ KIAS with 10 degrees of flaps.
 a. 73, 59 b. 62, 57 c. 72, 63 d. 67, 54
22. For the Cessna 172P Vy is ___ KIAS with 0 degrees of flaps.
 a. 59 b. 76 c. 72 d. 67

Item	N781FM (C172P-180 w/std tanks)			N783FM (C172P-160 w/LR tanks)		
	Wgt (lbs)	Arm (in)	Moment (in-lbs)	Wgt (lbs)	Arm (in)	Moment (in-lbs)
Basic Empty Wgt	1520.79	37.250	56649.43	1478.40	39.050	57731.52
Fuel (Max Useable)	240.00			300.0		
Pilot and Front PAX	400.00			340.0		
Rear PAX	340.00			240.0		
Baggage Area 1	20.00			20.0		
Baggage Area 2	15.00			15.0		
Totals						

23. N781FM as it is depicted in the spreadsheet above is IN / NOT IN weight and balance.
24. N783FM as it is depicted in the spreadsheet above is IN / NOT IN weight and balance.
25. In the standard FAA flight plan form color block, the designator W/O/BR should be used for our C172P's.
26. 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.
27. Give the immediate action/memory items for the Cessna 172:

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.

28. Maximum weight in utility category for C172P is ___ lbs.
 a. 2150 b. 2100 c. 2000 d. 1900

Corrected by: _____