

C152/C172/T41C/Arrow Test (Circle Appropriate)

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 80% (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 Dispatch System. Questions #18 require a specific tail # values in order to answer.

1. This aircraft contains _____ fuel drains/sumps and approved fuel grades and colors are: _____
2. What is the method of detecting carburetor ice ? _____
3. Total useable fuel under all flight conditions is _____; to tabs, if appropriate _____
4. What are the conditions for the fuel selector ? ON / OFF / RIGHT / LEFT / BOTH (Circle Appropriate)
5. Endurance at 75% power at 6000 ft PA with a 1 hour reserve at 75% power is ___ hours with Std Conds.
6. Oil capacity is ___ / ___ quarts (Min / Max) for flight
7. Air pressure for tires is ___ / ___ lbs/in² (Mains / Nosewheel)
8. The POH Acceptable vacuum gauge readings are _____ in(Hg)
9. It is normal for the engine in this aircraft to exhibit oil pressure above "green band" limits for first few minutes of operation (YES / NO)
10. This aircraft possesses an auxiliary suction pump in case the primary suction pump fails (YES / NO)
11. Describe the type (carbureted, fuel injected) and rated horsepower of the engine
12. Magnetos are checked at _____ RPM. RPM drop should not exceed _____ RPM on either magneto or _____ RPM differential between magnetos.
13. Maximum Gross Takeoff Weight is ___ lbs.
14. Baggage compartment locations/weights are: _____
15. The ammeter does / doesn't indicate battery discharge. (Circle appropriate).
16. The battery for this aircraft is _____ volts.
17. Complete table for aircraft depicted below. Comments (Within Wgt & Bal Limits, Over Max Gross Wgt, etc.)

Item	Tail # = 780FM 781FM 788FM 7889N (Circle)		
	Wgt (lbs)	Arm (in)	Moment (in-lbs)
Basic Empty Wgt			
Pilot and Front PAX	400		
Rear Seat PAX	0		
Fuel (Max Useable)			
Baggage	10		
Ldg Gear Retraction	(780FM only)		890
Totals			

18. The stall warning horn in this aircraft will work without electrical power. (YES / NO)
19. When jumpstarting this aircraft the engine will crank with master off (YES/NO)
20. Maximum airspeed for flap extension is _____ Kts/Mph (Circle) and the flaps are hydraulic/electrical/manual (Circle) with flap settings of _____ .

Pilot: _____

AIRCRAFT Test

Date: _____

21. Slips are not recommended in this aircraft in what configurations? _____
22. Give indicated airspeeds in Kts or Mph depending on the outer band of the airspeed indicator for:
- a. V_a _____
 - b. V_{so} _____
 - c. V_{s1} _____
 - d. V_y _____
 - e. V_x _____
 - f. Best Glide _____
23. Give the immediate action/memory items for:
- a. Engine failure immediately after takeoff
 - b. Fire during cranking and engine fails to start
 - c. Engine fire in flight
 - d. Electrical fire in flight
24. Given: PA = 2000 ft; Temp = 30 deg 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 _____
25. Given: PA = 2000 ft, Temp = 30 deg C; Wind calm; RWY is paved, level, and dry
Find: Total landing distance to clear a 50' obstacle at max landing weight _____
26. Maximum demonstrated takeoff/landing crosswind component is _____ Kts/
27. Will the maximum demonstrated crosswind component for this aircraft be exceeded for the following:
Landing RWY 22; Wind 19022G30; _____

Corrected by: _____