C152 AIRCRAFT Test

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 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.

1. This aircraft contains ___ fuel drains/sumps and approved fuel grades and colors are _____/_____
2. What are the symptoms of carburetor ice for this aircraft? _____
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 is _____ hours with Std Conds.
6. Oil capacity is ____ / ____ quarts (Min / Max) for flight.
7. Air pressure for tires is _____ / _____ lbs/in^2 (Mains / Nosewheel).
8. The POH Acceptable vacuum gauge readings are_____ in(Hg).
9. The engine HP engine and useable fuel capacity: ____ HP /____ Gallons.
10. The aircraft engine is (carbureted, fuel injected).
11. Magnetos are checked at ____ RPM. RPM drop should not exceed ___ RPM on either magneto or __ RPM differential between magnetos.
12. Maximum Gross Takeoff Weight is ____ lbs.
13. Maximum baggage compartment weight is: Area 1 ___ lbs; Area 2 __ lbs; Max combined ___ lbs.
14. The ammeter does / doesn't indicate battery discharge. (Circle appropriate)
15. The battery for this aircraft is _____ volts.

Item	Tail # = N788FM		
	Wgt (lbs)	Arm (in)	Moment (in-lbs)
Basic Empty Wgt			
Pilot and Front PAX	400		
Rear Seat PAX	0		
Fuel (Max Useable)			
Baggage Area 1	15		
Baggage Area 2			
Totals			

16. Complete table for aircraft depicted above. The aircraft table above indicates that it is IN / NOT IN weight & balance limits (Circle)
17. The stall warning horn in this aircraft will work without electrical power (YES / NO)
18. When jumpstarting this aircraft the master should be OFF when cranking the engine (YES/NO)

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20. Maximum airspeed for flap extensions is _____ KIAS/MPH (Circle).
    Flaps are hydraulic/electrical/manual (Circle) with flap settings of_____
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. Va _____ b. Vso _____ c. Vs1 _____
    d. Vy _____ e. Vx _____ f. Best Glide _____
23. Give the immediate action/memory items for:
    a. Engine failure immediately after takeoff

    b. Engine fire 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/MPH (Circle)
27. Will the maximum demonstrated crosswind component for this aircraft be exceeded for the following:
    Landing Tipton RWY 28; *AWOS radio reported* wind 310@22G30? _____

Corrected by: _____