RFTS FLYING CLUB

FAMILIARIZATION TEST FOR THE CESSNA 172 S G-1000

Please take a few moments to familiarize yourself with our Cessna 172. We believe safety goes hand in hand with the knowledge of the equipment we're flying. Take your time...this is an open book test. We will keep a copy of the test in your record folder and you may keep a copy for your occasional review. Suggest you copy important speeds on to a 3 by 5 card until you become completely familiar with them.

Pilot's Name Certificate Number Date

Total Flight Time Time in SE Acf.t C-172

1. What is the make, model, and horsepower of the engine?
xx

2. What are the oil capacities? Max Min .
xx **x**

3. What grade of multi-viscosity oil does the Owner's Manual recommend?
:

4. What is the total fuel capacity? . Min grade & color?

5. More importantly, what is the total usable fuel? .

6. Where are the fuel drains located, and how many are there?
X

7. When are they drained?

8. What is the climb speed during normal takeoffs? **Knots**

9. What are the following airspeeds? Vx: __ Vy: _ Va:

(Assume sea level @ max gross wt) Vso Vne: _ Vno:
Vs: _ Best Glide

10. What is the maximum speed with flaps extended?

11. What is the max gross weight in the normal category?

12. What is the max gross weight in the utility category?

13. Where is the battery located ?

14. What is the voltage supplied by the battery?

15. What is the system voltage supplied by the engine-driven alternator?

16. If the master (battery) switch is turned off with the enginerunning, what will be the reaction from the engine ??

17. What is the takeoff distance required at max gross weight under the following conditions: Pressure altitude of 2500 ft, 75 degrees F, hard surface runway:

18. Under the same conditions as #17, what is the landing ground roll distance using full flaps:

19. What is the ground distance covered gliding at best glide speed with the prop wind milling, no wind, beginning at 6,000ft AGL?

20. Fill in the missing information under the following conditions...Maximum gross weight, standard day, 5,000 ft PA, 2400 RPM **__BHP, ____KTAS,** Endurance **_____Hrs,** Range **____NM** (no wind)

21. Describe fuel management procedures when cruising above 5,000 ft MSL:

22. Describe balked landing (go-around) procedures:

23. When are slips in this aircraft prohibited?

24. What action should be taken if induction icing is encountered?

25. Complete the following Weight & balance problem. Use your weight for the pilot and 170 pounds for each passenger, full fuel, total baggage of 20 pounds. How many passengers may you carry? What is the takeoff gross weight & moment?

Weight Moment
(lb-in/1000)

Are you within the legal CG & Weight Envelope?