ISLA GRANDE FLYING SCHOOL

P.O. BOX 2343
HATO REY, PUERTO RICO 00919

PILOT NAME: _____   DATE: _____

SUBJECT: CESSNA 172 QUESTIONAIRE — M   Aircraft Used: _____

1. What type engine is installed? _____ What is its Horsepower? _____

2. What is the Maximum Gross Weight for the Normal Category? _____ For the Utility Category? _ _____

3. What is the Empty Weight of the Aircraft? _____

4. Solve the following Weight and Balance loading problem:

	Weight (Lbs.)	Moment (Lb. - ins./1000)
Licensed Empty Weight-------------		
Oil (8 qts.)---------------------		
Fuel (38 gals.)------------------		
Pilot and front passenger (180 & 192) --		
Rear Passenger (162 & 163)---------		
Baggage (None)-------------------		
TOTALS--		

5. What is the useful load of this Aircraft? _____ .

6. What is the maximum baggage capacity? _____ .

7. What is the maximum allowable RPM (Red Line)? _____ .

8. Give type and grade of oil used in this engine. _____

9. What is the maximum oil capacity? _____ . The minimum? _____ .

10. What is the normal operating oil pressure? _____ .

11. What is the total fuel capacity of this particular airplane? _____

12. What is the unusable fuel in each tank? _____ .

13. What is the total usable fuel? _____ .

14 Give the Minimum Static RPM for take-off? _____ .

15. Give the RPM for carburator heat and Magneto checks. _____ .

16. What is the maximum allowable RPM drop on each magneto? _____ . What is the maximum differential between both magnetos? _____ .

17. Where is the DATUM located on this aircraft? _____

18. Where should the fuel selector valve handle be placed for take-off? _____ . Climb? _____ and Landing? _____ .

19. Where are the fuel drains located? _____

_____ .

20. When are they drained? _____

21. What is the maximum direct crosswind for take-off and landing? _____

22. Give the range of the flaps in degrees. _____

23. What flap settings are not recommended at any time for take-off? _____ .

24. What is the Electrical System voltage of this aircraft? _____ .

25 Give the following airspeeds:

Nose Wheel lift off: -------- _____

Climb: --------------- _____

Max. Flaps down: ---------- _____

Max. Maneuvering: -------- _____

Never Exceed: ------------ _____

Max. glide (Flaps up) ------ _____

Landing: (Flaps up) -------- _____ .

(Flaps down) ------ _____

26. Give cruising RPM at 65% HP and at an altitude of 2,500 ft. _____ .

Fuel burnup: _____ gals./hr.

Endurance: _____ Hours.

27. Give tire pressures" Nose _____ PSI
Main: _____ PSI.

28. Above what altitude can the mixture be leaned? _____

29. What is the take-off distance from a hard surface with the following conditions?

Field Elev.: 2,000 ft

Temperature: 95º F.

Head wing: 0 kts.

Gross weight: 2,300 lbs.

FIND GROUND RUN: _____

FIND TOTAL TO CLEAR 50 FEET OBSTACLE: _____

30. What is the rate of climb with the following conditions?
Temperature 85ºF.
Field Elevation of 3,000 ft.
Gross Weight of 2,000 lbs.

Rate of climb is: _____ .

31. When would you select carburator heat to the hot position? _____

_____ .

END OF TEST

DATE: _____   PRINTED NAME: _____

SIGNATURE: _____ .

TEST CHECKED BY: _____

SIGNATURE: _____

Comments: _____

_____

_____

_____