

ISLA GRANDE FLYING SCHOOL

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

PILOT NAME: _____

DATE: _____

SUBJECT: CESSNA 152 QUESTIONAIRE

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) |
|---------------------------------|---------------|--------------------------|
| Basic Empty Weight----- | | |
| Oil----- | | |
| Fuel (24.5 gals.)----- | | |
| Pilot & Passenger(180 & 192)--- | | |
| 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 carburetor 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: 95° F.

Head wind: 0 kts.

Gross weight: 1670 lbs.

FIND GROUND RUN: _____

FIND TOTAL TO CLEAR 50 FEET OBSTACLE: _____

30. What is the rate of climb with the following conditions?

Temperature 85°F.

Field Elevation of 3,000 ft.

Gross Weight of 1670 lbs.

Rate of climb is: _____.

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

END OF TEST

DATE: _____ PRINTED NAME: _____

SIGNATURE: _____

TEST CHECKED BY: _____

SIGNATURE: _____

Comments: _____

