



ECAC CESSNA 182T G-1000 RENTER'S QUIZ

This quiz must be completed and checked by an ECAC instructor, and the dispatch desk personal made aware of the completion. Renters are not to fly without an ECAC instructor until the test is successfully completed, corrected to 100% by the instructor, and the ECAC instructor has signed off the renter per the ECAC flight requirements.

Instructors shall go over the quiz with the renter and correct it to 100%

It is an open book quiz. Note that page numbers are approximate depending upon POH version

Date quiz completed and corrected to 100% by an ECAC CFI: _____

Pilot Name: _____

Pilot Signature: _____

CFI Name : _____

CFI Signature: _____

Date completed: _____

1. **Pg. 1-5 & 7-27** What is the maximum horsepower and maximum RPM?

2. **Pg. 1-6** What fuel(s) are acceptable?

3. **Pg. 1-6** What is the Total Capacity, total useable, total each tank and total useable in each tank?

Total Capacity: _____

Total Useable fuel: _____

Total Capacity each tank: _____

Total Useable each tank _____

4. **Pg. 1-7** What is the maximum oil capacity?

5. What is the maximum and minimum oil required by ECAC?

6. **Pg. 1-8** What is the ramp weight and the takeoff weight?

7. **Pg 1-7** What is the maximum landing weight?

8. **Pg. 2-4** What is the maneuvering speed at 2100 Pounds?

9. **Pg. 2-4** What are the maximum flap extension speeds for the different flap settings KIAS?

10. **Pg. 2-6** What is the maximum oil temperature and where can this be read?

11. Is this aircraft rated for IFR flight operations?

12. Is this aircraft rated for flight into known or suspected icing conditions?

13. **Pg. 7-45** State the location of each Fuel Sump Quick Drain Valves.

14. **Pg. 4-13** What pilot action is required if ENGINE FLOODING or EXCESSIVE PRIMING is suspected?

15. **4-15 step 19.** Is the Electrical Fuel Pump used during a normal takeoff?

16. **Pg. 4-28** What is the starter duty cycle?

17. **KOEL Pg. 2-10 & Pg. 4-7 step 3** Must you fly with the GARMIN G-1000 Cockpit Reference Guide?

18. **Pg. 2-10** The standby battery test fails, may you fly with an inoperative standby battery?

19. **Pg. 4-13 step 4** How do you test the standby battery during preflight?

24. What systems work on the standby battery if it is the only source of electrical power?

25. Pg. 7-59 Where is the chart light found?

26. Pg. 4-12 Before Starting Engine item 8. Is it OK to taxi with the cowl flaps closed during cold temperatures to help the engine warm up?

27. Pg. 4-32 At full throttle on takeoff, the engine should run smoothly and turn approximately _____ - _____ = static RPM

28. Pg. 4-29 How do you turn the aircraft while taxiing?

29. Pg. 4-31 When performing the magneto check, how much RPM drop is allowed and the max difference between the RPMs?

30. When performing the magneto check, you should turn the magneto switch from BOTH to the Left or Right position first?

31. When performing the alternator check at 1800 RPM, The ammeters will show _____ current (amps), the voltmeters should show between _____ to _____ volts.

32. **Pg. 4-29** What action should you take if the LOW VOLTS annunciator comes on during taxi?

33. **Pg. 4-33** What is the maximum flap setting for takeoffs?

34. **Pg. 2-14** Prolonged uncoordinated flight is prohibited with ____ tank or less when operating on either the left or right tank.

35. **Pg. 2-14** What position must the fuel selector be for all takeoffs and landings?

36. **Pg. 4-5** What is the demonstrated crosswind?

37. **Pg. 4-34** What is the enroute climb speed and power setting?

38. **Pg. 3-25** You find that you have lost elevator control. How will you land the aircraft?

39. **Pg. 4-23** You are on final, and an aircraft takes the runway causing you to perform a go around (Balked Landing). What is the procedure for executing a go-around?

41. **Pg. 4-36** How should the cowl flaps be set to maintain the proper cylinder head temperature during cruise?

42. **Pg. 4-37-38** Where in the CESSNA-182T POH can you find how to properly lean the mixture?

43. **Pg. 3-5** What are the maximum glide speeds for the following weights?

3100 pounds: _____

2600 Pounds: _____

2100 pounds: _____

44. **Pg. 6-11-6-17/18** Compute the following weight & balance and determine if the aircraft is within weight & balance.

Basic Empty Weight	1999
Pilot	250
Passenger	None
Rear Passengers (Total)	410
Fuel	87 gal
Cabin Baggage	120

45. If it is not within weight & balance, what would you do to bring it into parameters?

46. **Page 5-15** Compute the ground roll at gross weight under the following conditions:

- Max gross weight for takeoff
- Temperature +30°C
- Pressure altitude +1000'
- No wind

47. **Page 5-15** With the same conditions, how much runway will you need to clear a 50' obstacle?

48. **Page 15** of the G-1000 NXI Pilot's Guide. How many GPS does the aircraft have?

49. Will you have a GPS if you are operating on standby battery?
