

Name: _____

Date: _____

Aircraft Make and Model: C182

Prior to rental of any Leading Edge Aviation aircraft the following items must be accomplished.

1. Memorization of all bold print items in the emergency section of the POH.
2. Memorize all V-Speeds appropriate to the intended rental aircraft.
3. Complete the POH open book review.
4. Complete the Leading Edge Aviation Weight and Balance form.
5. Avionics and Auto Pilot review with a Leading Edge Aviation Instructor.
6. Complete the flight section of the aircraft checkout with a Leading Edge Aviation Instructor to the completion standards set forth by Leading Edge Aviation.
7. Complete all new account paperwork and insurance requirements.

Memorization Items:

1. What are the following V-Speeds? _____ Vso, _____ Vs, _____ Vr, _____ Vx, _____ Vy, _____ Vfe, _____ Va max weight, _____ Va min weight, _____ Vne, _____ Vno, _____ Vbg,
2. Please use the last page of the packet to fill out the emergency procedures memory items.

Local Airport Information:

1. What are the airport frequencies?
 Clearance _____ Ground _____ Tower _____
 Approach _____ ATIS _____ ASOS _____
 CTAF _____ Unicom _____
2. What runways are available for use? _____
3. What are the runway length(s)? _____
4. What are the traffic patterns for each runway? _____

5. What is the calm wind runway? _____

Open book questions:

1. Total fuel capacity _____ gals. Unusable fuel _____ gals. Approximate fuel burn @ 75% power, 8000ft., and standard temperature _____.
2. Engine information: Make _____, Model _____, Horsepower _____.
3. Oil quantity: Minimum _____, Maximum _____, Grade (all temps) _____.
4. Is this airplane approved for intentional spins? _____. If so what category? _____.
5. At 10,000ft full fuel, 65% power what is the endurance with a 45 minute reserve? _____ in hours, in _____ miles.
6. What is the maximum demonstrated crosswind velocity? _____
7. What are the approved fuels? _____
8. What is the baggage area weight limit? _____
9. Where is the fire extinguisher located? _____
10. Is the engine carbureted or fuel injected? _____
11. What is the maximum rpm for this engine? _____
12. What is the normal flap setting for takeoff? _____



- 13. Is this aircraft equipped with an alternate air source for the engine? If so how is it operated? _____

- 14. Do you richen the mixture, lean the mixture, or leave the mixture alone during the extended use of carburetor heat? _____
- 15. When would you use carb heat? _____

- 16. How many fuel drain valves are there and where are they located? _____

- 17. What should be accomplished if there are signs of fuel contamination? _____

- 18. What is the charging system voltage? _____
- 19. How many batteries are there? _____
- 20. What is the battery voltage? _____
- 21. Where is the external power receptacle located? _____
- 22. If using external power for engine start, what must first be verified before connecting power? _____

- 23. What are the recommended starter duty cycle times? _____
- 24. What are the load limits for this airplane? _____
- 25. Can slips with full flaps be made in this airplane? _____
- 26. What is the full throttle static RPM indication? _____
- 27. What is the normal flap setting for take off? _____
- 28. What is the balked landing procedure? _____

- 29. What is the minimum oil temperature prior to take off? _____
- 30. What is the maximum demonstrated cross wind velocity for this aircraft? _____
- 31. What is the procedure if the ammeter does not show a positive charge after an external power assisted start? _____
- 32. What would indicate a failure of the engine driven fuel pump? _____

- 33. Is the aircraft equipped with cowl flaps? _____
- 34. Explain the correct use of cowl flaps if applicable. _____

- 35. Does this aircraft have a controllable pitch propeller? _____
- 36. What are the rpm and manifold pressure limitations? _____

- 37. When should the electric fuel pump be used? _____

