



Name: _____

Date: _____

Aircraft Make and Model: C172

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? _____

