FLT Academy

COMBINED AIRCRAFT CHECKOUT FORM AND PRE-SOLO WRITTEN TEST

Name: _____ CFI Name: _____

Completion Date: _____ CFI Signature: _____

Pages 1, 2, and 3 are the Aircraft Checkout form. If you are using this form for the Pre-solo Written Test, complete the remainder of the document. Email to documents@fltacademy.com once completed and signed by CFI who performed the evaluation.

1. Aircraft Make and Model

2. What is the fuel type that is allowed?

3. List the minimum equipment and instruments that must be working properly in your aircraft for day VFR flight.

4. Fill in the V-speed definitions and the corresponding speed for your training airplane.

	DEFINITION	SPEED
Vr		
Vx		
Vy		
Vne		
Vno		
Va		
Vfe		
Vs0		
Vs1		
Va		
Vyse (if applicable)		
Vmc (if applicable)		

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5. What is the best glide speed for your airplane? _____ KIAS

6. What is the maximum allowable flap setting for takeoff in your aircraft? _____

7. The total useable fuel capacity for your aircraft is _____ gallons. On a standard day (sea level temperature, 59°F, altimeter 29.92 in. Hg.), the fuel consumption rate during normal (approximately 75% power) cruise is _____ gallons per hour.

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8. The maximum demonstrated crosswind component for takeoffs and landings in the training aircraft is _____ KIAS.

9. Describe the engine make/model, hp, and any max continuous power settings:

10. The maximum oil capacity of your aircraft is _____, and the minimum oil capacity to begin a flight is _____ .

11. What type of oil should be used in this engine?

12. How is the engine cooled?

13. What is the maximum RPM setting? For how long?

14. What is the service ceiling of the aircraft?

15. During a magneto check, what is the maximum RPM drop?

16. What is the maximum gross weight of the aircraft?

17. What is the empty weight of the aircraft?

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EMERGENCIES AND CHECKLISTS

18. Describe checklist memory items and remainder of checklist for engine fire in the air.

19. Describe checklist memory items and remainder of checklist for electrical fire on the ground.

20. Describe checklist memory items and remainder of checklist for electrical fire in the air.

21. Describe checklist memory items and remainder of checklist for smoke and fire during take off.

22. Describe checklist memory items and remainder of checklist for an engine failure in the air.

23. Describe checklist memory items and remainder of checklist for an alternator failure in the air.

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PRESOLO WRITTEN EXAM

24. What personal documents and endorsements are you required to have in your possession to legally operate the airplane as a student pilot solo? Any additional limitations on your solo endorsement?

25. What are your student pilot limitations regarding carriage of passengers or cargo and flying for compensation or hire (61.89)?

26. Discuss what preflight action concerning the airport and aircraft performance is specified in the regulations for a local flight. (Also not in the vicinity of an airport)

27. During engine run up, you cause rocks, debris, and propeller blast to be directed toward another aircraft or person. Could this be considered careless or reckless operation of an aircraft?

28. You may not fly as pilot of a civil aircraft within _____ hours after consumption of any alcoholic beverage, or while you have _____% by weight or more alcohol in your blood.

29. What are the general requirements pertaining to the use of safety belts and shoulder harnesses?

30. What is the minimum fuel reserve for day VFR flight, and on what cruise speed is the fuel reserve based?

31. A transponder with Mode C is required at all times in all airspace at and above _____ feet MSL, excluding at and below _____ feet AGL.

32. What aircraft certificates and documents must be on board when you are flying solo?
    A_____
    R_____
    R_____
    O_____
    W_____

33. No person may operate an aircraft so close to another aircraft as to create a _____

34. Who has the right-of-way when two aircraft are on final approach to land at the same time?

35. What action do you need to take if you are overtaking another aircraft and which aircraft has the right of way?

36. What should you do if you are flying a head-on collision course with another aircraft?

37. If another single-engine aircraft is converging from the right, who has the right of way?

38. Except when necessary for takeoffs and landings, what are the minimum safe altitudes when flying anywhere, over congested areas, other than congested areas, or over sparsely populated areas or open water?

39. If an altimeter setting is not available at an airport, what setting should you use before departing on a local flight?

40. What appropriate altitudes should you use when operating under VFR in level cruising flight at more than 3,000 feet AGL?

41. When practicing steep turns, stalls, and maneuvering during slow flight, the entry altitude must allow a recovery to be completed no lower than _____ ft AGL.

42. When is a go-around appropriate? List the procedures

43. What general steps should you follow after an engine failure in flight?

44. What are the weather minimums, as defined on your solo endorsement?

45. Do you need your logbook in your possession when you fly solo? Why/Why not?

46. Describe "Wake turbulence".

47. What is proper procedure to avoid wake turbulence?

48. What must you do before practicing maneuvers?

49. When practicing Steep Turns, Stalls, and Slow Flight, the entry altitude must allow a recovery to be completed no lower than

50. When are you permitted to deviate from an ATC instruction?