

# Ayers Aviation

“World’s Finest Flight Training”

2350 Airport Dr  
Gainesville, Tx 76240

## Pre Solo Written Exam

Pilot’s Name:

Date:

1. Who is responsible that the aircraft is in airworthy condition before a flight?
2. What Aircraft Documents must be on board the aircraft before a flight?
3. What documents must a pilot carry in his/her possession while acting as PIC in an aircraft?
4. What Make and Model Aircraft Will you be soloing in?
5. What Make and Horsepower Engine is the Aircraft equipped with?
6. What type of propeller is installed on the Aircraft?
7. What is the Fuel Burn Rate on the Engine Hourly at 2500 Ft at 2300 Rpm’s?
8. What is the Normal Operating Oil Level of the Engine?
9. What is the Fuel Capacity of the Aircraft? And How many gallons can each tank hold, and the amount of Unusable fuel?
10. What is its Maximum Take-off weight for the aircraft?
11. What are the VFR Fuel Requirements for Night and Day Flight?
12. When Must the Position lights on an Aircraft be lighted?
13. When must the Beacon Light of an Aircraft be lighted?
14. What is Best Glide Speed on this Aircraft?
15. How long is a Student Pilot Solo Endorsement Valid For?
16. You must notify the FAA within how many days of a permanent Address Change?
17. You are on a dead on collision course with another aircraft. What should you do?
18. At what times must you wear your seatbelt while acting as Pilot-In-Command?
19. You may not operate an aircraft within how many hours of consuming Alcohol?
20. Who has the Final Authority and Responsibility for the operation of the aircraft when you are flying solo?
21. What is the 4 Letter Identifier for the Airport in Which you are to Solo at?
22. What is the UNICOM & AWOS Frequencies?
23. What is the Field Elevation?
24. What is the Pattern Altitude?
25. What is the Runways Numbers?
26. What are the Runway Lengths?
27. AIRSPEEDS... What is Vr, Vx, Vy, Vne, Vfe, Vso, Vs1 (List the Actual Speed along with the Definition of that V-Speed)

28. In case of a Stall in any phase of flight... what should be the first two procedures to correct the stall?
29. What is the Minimum Altitude for flying over Congested Areas?
30. What is the minimum Altitude for flying over Sparsely Populated Areas?
31. When do you use Carburetor Heat?
32. How can you determine if a runway is closed?
33. What information must a pilot become familiar with before going on a Cross Country flight?
34. What Grade Fuel does this Aircraft operate on? What is the Color?
35. If radio failure occurs in Controlled Airspace, What actions by the PIC must be taken while flying?
36. Is Radio Communication required at Uncontrolled Airports?
37. How do you recover from a Spin?
38. What is P- Factor?
39. What is Angle of Attack?
40. What are your limitations as a student pilot for soloing an aircraft?
41. What is a TFR?
42. What are NOTAM's and How can they affect your flight?