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Pre Solo Written Exam

Pilot's Name:

Date:

1. Who is responsible that the aircraft is in airworthy condition before a flight?
2. What documents must be on board the aircraft before a flight?
3. What documents must a Student 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 is the fuel burn rate on the engine hourly?
7. What is the normal operating oil level of the engine?
8. What is the fuel capacity of the aircraft? How many gallons can each tank hold, and what is the amount of unusable fuel?
9. What is empty weight of the aircraft, and what is its maximum take-off weight?
10. What are the VFR fuel requirements for night and day flight?
11. When must the position lights on an aircraft be lighted?
12. When must the anti-collision lights of an aircraft be lighted?
13. What is the best glide speed on this aircraft?
14. How long is a student pilot solo endorsement valid for?
15. You must notify the FAA within how many days of a permanent address change?
16. You are on a dead on collision course with another aircraft. What should you do?
17. At what times must you wear your seatbelt while acting as Pilot-In-Command?
18. You may not operate an aircraft within how many hours of consuming alcohol?
19. Who has the final authority and responsibility for the operation of the aircraft when you are flying solo?
20. What is the 4 letter identifier for the airport in which you are to solo at?
21. What is the UNICOM & AWOS frequencies?
22. What is the field elevation?
23. What is the pattern altitude?
24. What are the runways numbers?
25. What are the runway lengths?
26. AIRSPEEDS... What is V_r , V_x , V_y , V_{ne} , V_{fe} , V_{so} , V_{s1} ?
27. What is the minimum altitude for flying over congested areas?
28. What is the minimum altitude for flying over sparsely populated areas?
29. When do you use carburetor heat?
30. How can you determine if a runway is closed?
31. What information must a pilot become familiar with before going on a cross country flight?
32. How do you recover from a spin?
33. How do you enter into a spin?
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 stall?
38. What is P- Factor?
39. What is angle of attack?