

STUDENT PILOT PRE-SOLO WRITTEN TEST

Name- _____ Date- _____

1. What is the minimum age for solo flight?

2. What class medical must you obtain before solo flight?

3. How long is that medical valid for?

4. Can you carry passengers as a student pilot?

5. Can you fly into class B airspace?

6. Are you allowed to fly into clouds?

7. In the event that you do enter a cloud, what should you do?

8. What items must you hold in your possession to operate as PIC on an aircraft?

9. What documents must be onboard the aircraft before taking flight?

10. What aircraft equipment is required for day VFR flight?

Aircraft Systems, Operation, Performance and Limitations

11. What is the fuel type for the aircraft you fly?

12. How much fuel does your aircraft carry?

13. Approximately how much fuel does the engine use per hour?

14. What color is that fuel?

15. When sumping the fuel from the fuel tanks, the color is clear. What should you do?

16. What type of oil is used in the engine of your aircraft?

17. What is the minimum oil capacity for the engine on your aircraft? Maximum?

18. How is the engine of your aircraft cooled?

19. List the following aircraft speeds- (meaning and number)

V_X-

V_A-

V_Y-

V_{NO}-

V_S-

V_{NE}-

V_{SO}-

V_{FE}-

20. What is a stall and how do you recover from them?

21. How should you recover from a stall in a landing configuration?

22. When stalling in uncoordinated flight, there is a chance that the aircraft may enter an aerodynamic spin. How should you recover from a spin?

23. What is maneuvering speed and why is it important?

24. What is the approach speed of the aircraft you fly?

25. What are the four factors that result in left turning tendency on climb

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-
-
-

26. How do you compensate for the left turning tendencies?

27. What is the maximum takeoff weight for the aircraft you fly?

28. What are the flight characteristics of an aircraft with a forward CG?

29. What are the flight characteristics of an aircraft with an Aft CG?

30. Does maneuvering speed increase or decrease with increased weight?

31. How does weight affect an aircraft's stall speed?

32. For any performance related calculations, what should you refer to?

33. How fast should you taxi?

34. On takeoff, what airspeed do you rotate at?

35. Describe a short field approach to landing? Soft field?

36. Why do we do a magneto check before shutting off the aircraft's engine?

37. Describe the inflight engine failure procedure?

38. In the event of an engine fire, what procedure should you follow?

39. Describe the procedure for an inflight electrical failure?

Airport and Airspace

40. What are the vertical limits of the following types of airspace?

A-

D-

B-

E-

C-

G-

41. What type of airspace is KORL in?

42. What airspace overlies the airspace of KORL?

43. What altitude does the floor of the overlying airspace begin?

44. What are the VFR minimums for the following airspace?

A-

D-

B-

E-

C-

G-

45. What is the squawk (transponder) code for VFR flight?

46. What should you squawk in the event of an emergency? Loss of communications?

47. When is an altitude encoding transponder required?

48. List the following frequencies-

ATIS/AWOS-

Emergency-

Ground-

Approach-

Tower-