

Pre Solo Written Test

Instructor's Name _____

Student's Name _____

Date _____

Reference Link to 14 CFR

<https://www.ecfr.gov/current/title-14/chapter-I>

Reference Link to PHAK

https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/phak

Reference Link to AFH

https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/airplane_handbook

(Continue Using Reverse Side Of Page For Answers.)

1. What preflight action is required prior to a solo flight in the local area? (91.103)

2. What are the restrictions on the proximity of one aircraft to another in flight? (91.111)

3. If an Airplane is converging at approximately the same altitude with a glider, which has the right-of-way? (91.113)

4. When two aircraft are approaching each other head-on, in which direction should each pilot alter course? (91.113)

5. When two aircraft, neither on final approach, are approaching an airport for the purpose of landing, but one aircraft is lower than the other, which, in general, has the right of way? (91.113)

6. What constitutes an acrobatic maneuver? (91.303)

7. At what time of day must an aircraft's position lights be turned on? (91.209)

8. Under what conditions may a pilot deviate from control tower instructions? (PHAK 13)

9. What are the standard light signals for control of airport traffic, and what is the meaning of each signal, both on the ground, and in the air? (PHAK 13)

Color & Type	On Ground	In Flight
STEADY GREEN		
FLASHING GREEN		
STEADY RED		
FLASHING RED		
FLASHING WHITE		N/A
Alternating RED and GREEN		

10. Do Federal Aviation Regulations specifically prohibit operation of an aircraft in a careless or reckless manner? Explain what constitutes careless or reckless operation. (91.13)

11. Is intentionally flying in close proximity to any structure, other than for takeoff and landing considered to be careless and reckless operation? Why? (91.13)

12. Except when necessary for takeoff and landing, what is considered to be a minimum safe altitude for all flight situations? (91.119)

13. What is the minimum safe altitude over congested areas as established by regulations? (91.119)

14. There is no altimeter setting available at a given airport, what setting should be used for a local flight? (91.121)

15. What are the dimensions of class "D" airspace? (PHAK 14)

16. Are there any operations authorized within class "D" airspace other than for the purpose of landing or taking off? (PHAK 14)

17. When operating an aircraft equipped with a two-way radio at an airport with a federally operated control tower, is the pilot required to maintain communications with the tower? (PHAK 14)

18. When operating at an airport with a control tower, is compliance with tower instructions mandatory? (PHAK 14)

19. May a right-hand traffic pattern be executed at an airport with a control tower even though the standard traffic pattern is to the left? (PHAK 14)

20. What is the difference between a ground control clearance to taxi and a clearance to taxi to a specific runway? (PHAK 14)

21. In the event of transmitter failure, what communications action is recommended when operating at an airport with a control tower? (PHAK 14)

22. What is the standard direction of all turns for an airplane approaching to land at an airport without a control tower? (PHAK 14)

23. What types of facilities may have a designated CTAF? (PHAK 14)

24. Do instructions received from an airport ground controller have the same authority as those received from the in-flight controller?

25. What are the basic VFR weather minimums in a class D airspace, and its extensions? (91.155)

26. Is a restricted radiotelephone operator permit required to operate a VHF radio within the US? (FCC.gov)

27. What frequencies are necessary for operations at this airport? (AFD)

28a. What are the basic VFR Weather minimums in class E airspace at or below 1200 feet above the ground? (91.155)

28b. What are the basic VFR Weather minimums in class E airspace between 1,200 AGL and 10,000 feet MSL within controlled airspace? (91.155)

29. Which aircraft has the right-of-way when one aircraft is being overtaken by another? (91.113)

30. In what direction should the course be altered to pass well clear of another aircraft that is being overtaken? (91.113)

31. In the case of lost radio contact with the control tower, what is the prescribed action for the traffic pattern entry, approach, and landing?

32. What are appropriate altitudes when operating an aircraft under VFR conditions in level cruising flight above 3,000 AGL? (91.159)

33. Is it mandatory for the pilot to keep the seatbelt fastened during takeoffs, landings and while enroute? (91.107)

34. What visual display is used to indicate that an airport runway or taxiway is closed to traffic? (PHAK 14)

35. What class of medical certificate is required for solo flight? (FAA.gov)

36. Is an instructor endorsement required for solo flight? (61.93)

If yes, where is the endorsement located? (61.87)

37. Who is responsible for determining aircraft airworthiness prior to flight? (91.7)

38. What documents are required to be on board the aircraft prior to flight? (PHAK 8)

39. What is the maximum useable fuel for your aircraft with standard tanks? (POH)

40. What is the minimum oil required? (POH)

41. What are the best rate-of-climb and obstruction-clearance climb airspeeds for your aircraft? (POH)

42. What are the zero-flap and full-flap approach speeds for your aircraft? (POH)

43. What is the maximum allowable flap setting for takeoff? (POH)

44. What is the maximum allowable RPM drop during the magneto check on runup? (POH)

45. What is the first indication of induction system icing? (PHAK 6)

46. What is the maximum flap extension speed? (POH)

47. What is the placarded maneuvering speed, and what is its definition? (PHAK 5)

48. Describe the emergency procedure for a partial or complete engine failure. (POH)

49. During stall practice, recovery should be completed no lower than what AGL altitude? (ACS)

What MSL altitude is appropriate for this practice area?

50. Explain the procedure for executing a go-around? (AFH)