



PRIVATE PILOT PRE-SOLO QUIZ AIRPLANE

- 1) What are the airspeed indicator markings and what do they represent?
- 2) What is the scale of a sectional chart?
- 3) What is the gross weight and the basic empty weight of the aircraft you are training in?
- 4) Define the following symbols and explain what each one represents:
V(r) V(x) V(y) V(a) V(s1) V(so) V(fe) V(no) V(ne) (FAR 1)
- 5) What are the speeds associated with the symbols in the previous question for the aircraft you fly?
- 6) Name the documents that must be onboard the aircraft for it to be legal for flight.
- 7) What documents must a student pilot have in their possession to operate an aircraft in solo flight?
- 8) What grade of fuel is used in the aircraft that you fly and what color is it?
- 9) What is the usable fuel for this aircraft, and what is the maximum tank capacity?
- 10) What type of oil used in this aircraft for normal as well as break-in operations?
- 11) What is the minimum and maximum oil level for this aircraft?
- 12) What is ground effect, and how does it effect the aircraft?
- 13) What are the six classes of airspace? Give examples of each (AIM Chapter 3).
- 14) What are the basic VFR weather requirements for each class of airspace (FAR 91.155) ?
- 15) What is meant by the term "Special VFR" (FAR 91.157)?
- 16) What is the difference between the blue and magenta colored airport symbols on a sectional chart?
- 17) What does the blue and magenta shading on the sectional chart represent?
- 18) During daylight hours what does an operating airport rotating beacon usually signify?
- 19) Why does the aircraft have maximum weight and center-of-gravity limits imposed?



- 21) What are light gun signals, when are they used, and what do the various signals mean (FAR 91.125) ?
- 22) Explain the difference between a first, second, and third class medical certificate, and for how long are they valid (FAR 67, 61.23)?
- 23) What are the preflight responsibilities of a pilot: 1) for any flight. 2) for flight not in the vicinity of an airport (FAR 91.103) ?
- 24) What is pressure altitude and density altitude? What effect do they have on aircraft performance?
- 25) What is the minimum safe altitude required from people, vehicles, and structures: 1) in sparsely populated areas? 2) over congested areas? 3) anywhere? (FAR 91.119)
- 26) What is the UNICOM frequency for Queen City airport?
- 27) Draw the airport layout, and explain the recommended way to enter and exit the traffic pattern at an uncontrolled airport (include radio communication self announce procedures).
- 28) What is wake turbulence and how can it be avoided?
- 29) What is collision avoidance and what is the proper scan procedure to see and avoid other aircraft?
- 30) Using FAR 91.113 explain aircraft right-of-way rules.
- 31) What is the responsibility and authority of the pilot-in-command (FAR 91.3)?
- 32) List the general restrictions that a student pilot must adhere to when operating an aircraft in solo flight (FAR 61.89, 61.93, 61.95).

Student Signature

Instructor Signature

Student Printed Name

Instructor Printed Name

Date Signed



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