

OBX Airplanes LLC

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PRIVATE PILOT PRE-SOLO QUIZ— Airplane (SEL)

- 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)

5) What are the speeds associated with the symbols in the previous question for the aircraft you fly?

V(r)

V(x)

V(y)

V(a)

V(s1)

V(so)

V(fe)

V(no)

V(ne)

- 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 the difference between the blue and magenta colored airport symbols on a sectional chart?

- 16) What does the blue and magenta shading on the sectional chart represent?
- 17) During daylight hours what does an operating airport rotating beacon usually signify?
- 18) Why does the aircraft have maximum weight and center-of-gravity limits imposed?
- 19) What are light gun signals, when are they used, and what do the various signals mean (FAR 91.125) ?
- 20) Explain the difference between a first, second, and third class medical certificate, and for how long are they valid (FAR 67, 61.23)?
- 21) 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) ?
- 22) What is pressure altitude and density altitude? What effect do they have on aircraft performance?
- 23) 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)

24) What is the UNICOM frequency for Manteo/ Dare County Airport?

25) What is the UNICOM frequency for First Flight Airport?

Beach traffic?

26) What is the general route (including altitude) for Commercial traffic over the beach ie Nags Head, KDH and Kitty Hawk?

Air Tour planes?

Biplanes?

Banner planes?

Helicopter?

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 Pilot NAME _____

Student Pilot Signature _____ Today's Date _____

Certified Flight Instructor's NAME _____ Certificate
Number _____ Exp _____

Certified Flight Instructor's Signature _____ Today's Date _____