



PRESOLO WRITTEN TEST Ver. May 2020

STUDENT: _____

CFI: _____

DATE: _____ **AIRCRAFT:** _____

As specified in 14 CFR Part 61, you must demonstrate satisfactory knowledge of appropriate portions of Part 61 and 91 to an authorized instructor.

The demonstration must include the satisfactory completion of a written examination to be administered and graded by the instructor who endorses your student pilot certificate for solo flight.

In addition to questions on the applicable regulations, the written exam must include questions of the flight characteristics and operational limitations for the make and model aircraft to be flown.

Advisory Circular 61-101, Pres-olo Written Test, indicates that you also have adequate knowledge to operate safely during solo flight, in your local training environment.

If the surrounding area includes controlled airspace, such as class B, C, D or E airspace, you might be asked appropriate questions on operations in these areas.

GENERAL QUESTIONS:

1. What personal documents and endorsements are you required to have before you fly solo?

2. What are your student pilot limitations regarding carriage of passengers or cargo for compensation or for hire?



3. Explain limitations concerning visibility and flight above/below clouds

4. Who has the final authority and responsibility for the operation of the aircraft when you are flying solo?

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5. Discuss what preflight action concerning the airport and the aircraft performance is specified in the regulations for a local flight

6. During an engine run up, you cause rocks, debris and propeller blast to be directed towards another aircraft or person.

Could this be considered reckless operations of an aircraft?

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7. You may NOT fly as pilot of a civil aircraft within _____ hours after consumption of any alcoholic beverage or while you have _____% or more alcohol in your blood

8. What are the general requirements pertaining to the use of safety belts and shoulder harness?



9. What are the minimum fuel reserves for day VFR flight and what cruise speed is the fuel reserve based?

10. A transponder with Mode C is required at all times in all airspace at and Above _____ feet MSL, excluding that airspace at and below _____ feet AGL

11. What aircraft certificates and documents must be on board while you are flying solo?

S
P
A
R
O
W

12. No person may operate an aircraft so close to another aircraft to create a(n): _____

13. Who has the right-of-way when two aircraft are on final approach to land at the same time?

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14. What action do you need to take if you are overtaking another aircraft, and which aircraft has the right of way? What should you do if you are flying on a head-on collision course with another aircraft? If another single engine aircraft is converging from the right, who has the right of way?



15. Except when necessary for take offs and landings, what are the minimum safe altitudes when flying over congested areas?

16. If the altimeter setting is not available at an airport, which setting should you use before departing for a local flight?

17. What altitudes should you use when operating while VFR in level cruising flight at more than 3,000 feet AGL?

18. When practicing steep turns, stalls and maneuvering during slow flight, the entry altitude must allow a recovery to be completed no lower than _____ feet AGL

19. When a GO-AROUND is appropriate?

AIRCRAFT QUESTIONS:

1. List the minimum equipment and instruments that must be working properly in your aircraft for day VFR flight



2. Fill in the V-speeds and the corresponding speed for your training airplane

SPEED	DEFINITION	MPH (or KIAS (circle the one which applies))
Vr		
Vx		
Vy		
Va		
Vfe		
Vglide (best glide)		
Vs		
Vso		

3. What is the maximum allowable flap setting for take off in your aircraft? _____

4. The total usable fuel capacity of your aircraft is _____ gallons.
 On a Standard day at sea level (15 deg C / 59 deg F) the fuel consumption rate during normal cruise (75% power) at 2,000 feet is _____ gallons per hour

5. What grades of fuel (or types of fuel) can be safely operated on your aircraft?

6. The maximum oil capacity of your aircraft is _____ quarts and the minimum oil quantity to begin a flight is _____ quarts

7. The maximum demonstrated crosswind component for take off and landings in your aircraft is _____ MPH or KIAS (circle the one which applies)



8. When do you use carburetor heat? What are the indications of carburetor icing?

9. What is the take off and landing distance over a 50-foot obstacle for your aircraft at your airport? (assume max certified take off weight, 26 deg C, winds calm and altimeter setting of 29.52)

AIRPORT AND LOCAL AIRSPACE QUESTIONS:

1. What are the traffic patterns for each runway at your airport? What is the MSL altitude for traffic pattern?

2. How do you enter the traffic pattern at your airport? What, if any, radio communications are required?



3. What radio calls are recommended in the traffic pattern at an uncontrolled airport?

4. What is the standard direction of turns in a traffic pattern at an uncontrolled airport?

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5. How can you determine if a runway is closed?

7. If you receive ATC instructions that you feel may compromise safety or will cause you to violate a FAR, what should you do?



8. Describe class B airspace boundaries and how they apply to an airport within that airspace. Explain how you can use navigation equipment and/or ground reference points to identify the class B boundaries. (draw a diagram if necessary)

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9. In addition to equipment requirements and student pilot certificate, what other requirements, if any, must be met before a student pilot is authorized to fly solo within class B airspace?

10. Explain the general transponder equipment and use requirements when operating within or near class B airspace

11. You have called ATC just prior to enter class B airspace and the controller tells you to "Squawk 3245 and ident", are you now allowed to enter class B airspace without any further instructions? Explain



12. On a sectional chart, what does a dashed blue line around an airport indicate?

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13. What are the typical dimensions of class D airspace and what requirements must be met prior to entry?

14. You have called ATC prior to entering class D airspace and the controller tells you to “Skyhawk N3668S, Standby”, are you now allowed to enter this class D airspace without any further instructions? Explain

15. Describe the typical dimensions of class C airspace. Is participation in the radar service mandatory within the outer area of class C airspace?
