



## Student Pilot Pre-Solo Written Exam

REV02 - 09222021

Student Pilot Name: \_\_\_\_\_

Date: \_\_\_\_\_

Instructor: \_\_\_\_\_

\*NOTE: This exam MUST be submitted with a completed "Aircraft Checkout Written Test"

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### **Title 14 CFR, Part 61: Certification: Pilots, Flight Instructors, and Ground Instructors**

What personal documents and endorsements are you required to have in your possession to legally fly solo? (61.\_\_\_\_)

What are your student pilot limitations regarding carriage of passengers or cargo and flying for compensation or hire?  
(61.\_\_\_\_)

Explain student pilot limitations concerning visibility and flight above clouds. (61.\_\_\_\_)

Who has the final authority and responsibility for the operation of the aircraft when you are flying solo, and why?  
(61.\_\_\_\_ and 91.\_\_\_\_)

What types of aircraft can a student pilot fly solo after receiving his/her solo endorsement? (61.\_\_\_\_)

Is a student pilot allowed to fly at night after receiving his/her solo endorsement? Explain. (61.\_\_\_\_)

How long is a solo endorsement valid? (61.\_\_\_\_)

What additional limitations can be placed on the student pilot by his/her flight instructor? (61.\_\_\_\_)



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What are the consequences of the refusal to submit to an alcohol test when requested by a law enforcement officer? (61.\_\_\_\_)

How long is your medical certificate valid? (61.\_\_\_\_)

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### Title 14 CFR, Part 91: General Operating and Flight Rules

Discuss what preflight action concerning the airport and aircraft performance is specified in the regulations for a local flight. (91.\_\_\_\_)

What inspections does your training airplane have to comply with for a day VFR flight? (91.\_\_\_\_, 91.\_\_\_\_, and 91.\_\_\_\_)

Under what circumstances, if any, are you allowed to deviate from ATC instructions? (91.\_\_\_\_)

During an engine run up, you cause rocks, debris, and propeller blast to be directed toward another aircraft or person. Could this be considered careless or reckless operation of an aircraft? (91.\_\_\_\_)

You may not fly as pilot of a civil aircraft within \_\_\_\_ hours after consumption of any alcoholic beverage, or while you have \_\_\_\_% by weight or more alcohol in your blood. (91.\_\_\_\_)

What are the general requirements pertaining to the use of safety belts and shoulder harnesses? (91.\_\_\_\_)

What is the minimum fuel reserve for day VFR flight, and on what cruise speed is the fuel reserve based? (91.\_\_\_\_)



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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. (91. \_\_\_\_\_)

What aircraft certificates and documents must be on board when you are flying solo? (91. \_\_\_\_\_)

- A
- R
- R
- O
- W

No person may operate an aircraft so close to another aircraft as to create a \_\_\_\_\_.  
(91. \_\_\_\_\_)

Who has the right of way when two aircraft are on final approach to land at the same time? (91. \_\_\_\_\_)

What action do you need to take if you are overtaking another aircraft and which aircraft has the right of way?  
(91. \_\_\_\_\_)

What should you do if you are flying on a head on collision course with another aircraft? (91. \_\_\_\_\_)

If another single engine airplane is converging from your right, who has the right of way? (91. \_\_\_\_\_)

If you are in the traffic pattern 500 feet below the glider and the glider pilot announces that he/she is entering the traffic pattern for landing, are you legally obligated to give way to the glider? (91. \_\_\_\_\_)

Except when necessary for takeoffs and landings, what are the minimum safe altitudes when flying over congested and other than congested areas? (91. \_\_\_\_\_)



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If an altimeter setting is not available at an airport, what setting should you use before departing on a local flight?  
(91. \_\_\_\_\_)

What altitudes should you use when operating under VFR in level cruising flight at more than 3,000 feet AGL? (91. \_\_\_\_\_)

List the minimum equipment and instruments that must be working properly in your aircraft for day VFR flight.  
(91. \_\_\_\_\_)

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### Maneuvers

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.

When is a go around appropriate?

May a student perform stalls on a solo flight?

What is the minimum altitude you are allowed to descend while practicing engine out emergency procedures during a solo flight?

Why and how should you clear the engine when flying with the engine on idle for an extended period of time?

Why is it important to perform clearing turns before each maneuver?



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What is the maximum bank angle that should never be exceeded during any of the maneuvers when flying solo?

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### **Airport Operations and Local Airspace**

What airports other than the home base may a student pilot land on?

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

How do you enter and exit the traffic pattern at your airport (KPSM)? What, if any, radio communications are required prior to entering, and before exiting the traffic pattern?

What radio calls are recommended in the traffic pattern at an uncontrolled airport? What radio calls are required in the traffic pattern at your airport?

What is the standard direction of turns in the traffic pattern?

What is CTAF? Explain CTAF procedures at your training airport(s).

What runway is in use when the wind is calm at your airport? (KPSM) \_\_\_\_\_

How can you determine if a runway is closed?



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What is the airspace at the surface and at the traffic pattern altitude at your airport?

Are you required to have your transponder on ALT setting before departing your home airport? Why?

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

What is the meaning of each of the following ATC light signals?

### *IN FLIGHT*

- Steady green -
- Steady red -
- Flashing green -
- Flashing red -
- Alternating red/green -

### *ON THE GROUND*

- Flashing red -
- Flashing green -
- Flashing white -
- Alternating red/green -

In addition to equipment requirements and a student pilot certificate, what other requirement(s), if any, must be met before a student pilot is authorized to fly solo within Class B airspace?

Explain the general transponder equipment and use requirement(s) when operating within or near Class B airspace.

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.



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You have called ATC just prior to entering Class B airspace, and the controller tells you to, "Squawk 2466 and ident." Are you now allowed to enter Class B airspace without any further instructions? Explain.

On a sectional chart, what does a dashed magenta line around an airport indicate?

What are the minimum visibility and ceiling requirements for VFR flight in Class D airspace?

What are the minimum visibility and ceiling requirements for VFR flight in Class E airspace?

Can a student pilot request a special VFR clearance in Class D airspace when visibility is less than three miles? Explain your answer.

You have called ATC prior to entering Class C airspace, and the controller responds with your call sign and tells you to "Standby." Are you now allowed to enter this airspace without any further instructions?

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

Where would you find most of the necessary information about an airport?

Is calling a flight briefer necessary before every flight? Explain.



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Where would you find information about temporary flight restrictions (TFRs)?

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*I certify that this test has been completed, reviewed and corrected to 100% with my Instructor.*

*Student Pilot Signature:* \_\_\_\_\_ *Date:* \_\_\_\_\_

*I certify that this test has been completed, reviewed and corrected to 100% with the student pilot.*

*Instructor Signature and CFI#:* \_\_\_\_\_ *Date:* \_\_\_\_\_