

OSCI Student Pilot Pre Solo Test

(Version 7/26/13)

Student name: _____ **Date:** _____

Test Grade: _____

Note: This is a “closed book” exam required prior to initial solo. Questions are drawn from FAR 61, FAR 91, the OSCI Glider Quiz and the OSCI Ops Quiz. The student will have previously completed the Glider Quiz and the Ops Quiz.

MC = Multiple choice, T/F = True or False

1. What endorsements must a student pilot have prior to initial solo? (MC)
 - a. Logbook for pre solo aeronautical knowledge.
 - b. Logbook for pre solo flight training and proficiency.
 - c. Logbook solo endorsement.
 - d. CFI solo endorsement on Student Pilot Certificate
 - e. All of the above

2. The student pilot is Pilot in Command when performing solo flight. (T/F) _____

3. The student pilot in solo flight is directly responsible for, and is the final authority as to the operation of the aircraft. (T/F) _____

4. Who is responsible to assure the glider is in safe condition prior to student solo flight? (MC)
 - a. The club maintenance officer
 - b. The student pilot
 - c. The instructor

5. When in flight in a converging situation, which has the right of way? (MC)
 - a. Commercial Airliner
 - b. Airplane single engine
 - c. Glider

6. The “right of way” implies the appropriate aircraft will “give way” but if there is any doubt the glider should maneuver to avoid the converging aircraft. (T/F) _____

7. What is the proper response when in a head on situation with any other aircraft? (MC)
 - a. Maintain heading because the glider has the right of way
 - b. Alter course to the right
 - c. Climb or descend

8. Where in relation to KBTA is the nearest part of the OMA Class C airspace?

9. What responsibilities does a glider pilot have concerning Class C airspace? (MC)
 - a. None, gliders are exempt from Class C requirements
 - b. Monitor Approach Control frequency and it is OK to enter Class C
 - c. Avoid unless in communication with OMA Approach Control and have altitude reporting transponder.

10. When flying above 1200 ft. AGL in the vicinity of Blair Airport what type of airspace are you in? (MC)
- G
 - E
 - C
11. What are the distance from cloud requirements in Class E Airspace below 10,000 feet MSL?
12. What is the normal glider landing pattern for:
13 glider grass at KBTA? _____
31 glider grass at KBTA? _____
13. Fill in the blanks:
What glider are you going to fly? _____
What is the speed for minimum sink? _____
What is the speed for best L/D? _____
What is the 1“g” stall speed? _____
What is an appropriate approach speed in calm wind? _____
What is an appropriate adjustment to approach speed for existing wind?

14. What are the “Six signs of a stall” in probable sequence?
1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
15. If a glider is banked in a turn, the stall speed will be: (MC)
- Unchanged
 - Less if in a thermal
 - Higher depending on the “g” load
16. What is the stall recovery procedure?
17. What must occur before a spin can develop?
18. What is the spin recovery technique?
19. Why is it imperative to not “go high” on tow during take off and initial climb?
20. What does it mean if the tow plane rocks wings vigorously?

21. What are three situations wherein the glider must release?
1. _____
 2. _____
 3. _____
22. What does it mean if the tow plane rudder flutters?
23. Concerning “Premature Termination of Tow” (rope break, etc.), what are the three potential decisions during each departure?
1. _____
 2. _____
 3. _____
24. In the context of question 23, what is a general guideline as to when a decision to return to the airport is appropriate?
25. What would you expect to do if you found you could not release?

END
JPA