

L-23 BLANIK QUIZ

This quiz provides useful information to the pilot transitioning to the Blanik L-23 sailplane. Answers may be found in the aircraft Flight Manual, the training notebook in the equipment trailer, by observation of the sailplane and by asking a CFI.

1. What are the following limit speeds?
 - a. Never exceed _____
 - b. Maximum speed for aero tow _____
 - c. Maneuvering speed, V_a _____

2. What is the practical definition of V_a ?

3. What are the following performance speeds?
 - a. Speed to obtain minimum sink rate _____
 - b. Speed to obtain maximum L/D _____
 - c. Approximate "speed to fly" if vario is reading a steady "6 down" _____
 - d. Minimum approach speed in calm conditions _____
 - e. Minimum approach speed with 20 knots headwind _____
 - f. Approximate stall speed with spoilers retracted _____
 - g. Approximate stall speed fully extended spoilers _____

4. The L-23 airspeed indicator uses which units of airspeed measurement? _____
5. What is the empty weight? _____

6. What is the maximum gross weight? _____

7. What is the useful load? _____
8. What is the minimum front seat weight for solo flight? _____
9. If you are in the front seat, what is the range of allowable weights in the back seat? _____
10. If you are in the back seat, what is the range of allowable weights in the front seat? _____

- 11. What can be done if the solo pilot's weight is less than the required minimum?**
- 12. What is the flight allowable C.G. range in inches aft of the nose datum?**
- 13. Where is the pitot pressure source?**
- 14. Where is the static pressure source(s)?**
- 15. What instrument(s) are connected to the pitot source?**
- 16. What instruments are connected to the static source?**
- 17. Which variometers are compensated for total energy?(i.e. connected to the TE probe on the vertical stabilizer)**
- 18. What are the units and scale used on the variometers?**
- 19. What is the purpose of the red handle on the forward right edge of the canopy?**
- 20. Why is the handle red?**
- 21. True or False: In an emergency, the canopy can be ejected by pulling the red handle rearward on the right side of the canopy.**
- 22. What color is the release knob and where is it?**
- 23. When releasing, how far back should the release handle be pulled?**
- 24. Where is the wheel brake handle?**

- 25. Assume the ship has landed and the spoilers have been fully extended. When can the wheel brake be most effectively used?**
- a. When the ship has speed enough for the elevators to be used to keep tail from rising.**
 - b. When the ship has slowed to a near stop.**
- 26. Where is the spoiler control handle? What color is it?**
- 27. Where is the detent in the spoiler control slot?**
- 28. What is the small black knob in the slot below the spoiler handle?**
- 29. True or False: The trim control operates tabs on both elevators and allows trimming throughout all normal operations.**
- 30. What is the purpose of the crank in front of the stick?**
- 31. Can the rear rudder pedals be adjusted?**
- 32. What is the factory's claimed max L/D? _____**
- 33. In still air and achieving a 30/1 L/D, how much altitude would be lost to glide one nautical mile (6000ft. is very close to 1 nm.)?**
- 34. If penetrating a 20kt, headwind, approximately how much altitude would you expect to lose per nm.?**
- 35. True or False: The tailwheel is susceptible to damage and getting too slow prior to touchdown will cause tailwheel touchdowns with stresses unnecessary for normal operations.**
- 36. According to the placards, what is the allowable range of the pilot weight?**
- 37. What is the maximum gross weight?**

38. What is the maximum allowable cross wind speed (in knots) at 90 degrees across the runway to safely fly the L-23?

39. What is a compatible touchdown speed?

40. May the glider be landed with full dive brakes?

NAME _____ **DATE** _____