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?**
   1. **Never exceed\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   2. **Maximum speed for aero tow\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   3. **Maneuvering sped, Va\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **What is the practical definition of Va?**
3. **What are the following performance speeds?**
   1. **Speed to obtain minimum sink rate\_\_\_\_\_\_\_\_\_\_\_\_\_**
   2. **Speed to obtain maximum L/D \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   3. **Approximate “speed to fly” if vario is reading a steady “6 down”\_\_\_\_\_\_\_\_\_\_**
   4. **Minimum approach speed in calm conditions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   5. **Minimum approach speed with 20 knots headwind\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   6. **Approximate stall speed with spoilers retracted\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   7. **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?**

1. **Where is the pitot pressure source?**
2. **Where is the static pressure source(s)?**
3. **What instrument(s) are connected to the pitot source?**
4. **What instruments are connected to the static source?**
5. **Which variometers are compensated for total energy?(i.e. connected to the TE probe on the vertical stabilizer)**
6. **What are the units and scale used on the variometers?**
7. **What is the purpose of the red handle on the forward right edge of the canopy?**
8. **Why is the handle red?**
9. **True or False: In an emergency, the canopy can be ejected by pulling the red handle rearward on the right side of the canopy.**
10. **What color is the release knob and where is it?**
11. **When releasing, how far back should the release handle be pulled?**
12. **Where is the wheel brake handle?**
13. **Assume the ship has landed and the spoilers have been fully extended. When can the wheel brake be most effectively used?**
    1. **When the ship has speed enough for the elevators to be used to keep tail from rising.**
    2. **When the ship has slowed to a near stop.**
14. **Where is the spoiler control handle? What color is it?**
15. **Where is the detent in the spoiler control slot?**
16. **What is the small black knob in the slot below the spoiler handle?**
17. **True or False: The trim control operates tabs on both elevators and allows trimming throughout all normal operations.**
18. **What is the purpose of the crank in front of the stick?**
19. **Can the rear rudder pedals be adjusted?**
20. **What is the factory’s claimed max L/D? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
21. **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.)?**
22. **If penetrating a 20kt, headwind, approximately how much altitude would you expect to lose per nm.?**
23. **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.**
24. **According to the placards, what is the allowable range of the pilot weight?**
25. **What is the maximum gross weight?**
26. **What is the maximum allowable cross wind speed (in knots) at 90 degrees across the runway to safely fly the L-23?**
27. **What is a compatible touchdown speed?**
28. **May the glider be landed with full dive brakes?**

**NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**