L-33 BLANIK QUIZ

**This quiz provides useful information to the pilot transitioning to the Blanik L-33 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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   8. **What does the yellow triangle on the airspeed indicate?**
4. **The L-33 airspeed indicator uses which units of airspeed measurement?\_\_\_\_\_\_\_\_\_\_\_\_\_**
5. **What is the empty weight?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
6. **What is the maximum gross weight?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
7. **According to the placards, what is the allowable range of the pilot weight?**
8. **What is the useful load, including pilot weight w/parachute, ballast and baggage?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
9. **True or False: Ballast can be added under the pilot seat or in the baggage area**
10. **Where is the pitot pressure source?**
11. **Where is the static pressure source(s)?**
12. **What instrument(s) are connected to the pitot source?**
13. **What instruments are connected to the static source?**
14. **Which variometers are compensated for total energy?(i.e. connected to the TE probe on the vertical stabilizer)**
15. **What are the units and scale used on the variometers?**
16. **What is the purpose of the red handle on the forward right edge of the canopy?**
17. **Why is the handle red?**
18. **True or False: In an emergency, the canopy can be ejected by pulling the red handle rearward on the right side of the canopy.**
19. **What color is the release knob and where is it?**
20. **When releasing, how far back should the release handle be pulled?**
21. **Where is the wheel brake handle?**
22. **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.**
23. **Where is the spoiler control handle? What color is it?**
24. **Where is the detent in the spoiler control slot?**
25. **True or False: The airbrake system deploys on both top and bottom of the wing.**
26. **What is the small green knob in the slot below the spoiler handle?**
27. **True or False: The trim control operates tabs on both elevators and allows trimming throughout all normal operations.**
28. **What is the purpose of the T-handle to the right of the release knob?**
29. **What is the factory’s claimed max L/D? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
30. **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.)?**
31. **If penetrating a 20kt, headwind, approximately how much altitude would you expect to lose per nm.?**
32. **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.**
33. **What is the maximum allowable cross wind speed (in knots) at 90 degrees across the runway to safely fly the L-33?**

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