

## TOW PILOT QUALIFICATION QUIZ

- 1) What are the normal tow speeds and maximum tow speeds for these gliders (MPH)?
  - a. L-23 SuperBlanik Normal\_\_\_\_\_ Maximum\_\_\_\_\_
  - b. L-33 Solo Normal\_\_\_\_\_ Maximum\_\_\_\_\_
  - c. Russia Normal\_\_\_\_\_ Maximum\_\_\_\_\_
  - d. 1-35 Normal\_\_\_\_\_ Maximum\_\_\_\_\_
- 2) What are the appropriate emergency procedures for the following occurrences:
  - a. Tow plane engine failure during take-off roll
  
  - b. Rope break during take-off roll
  
  - c. Rope break during tow
  
  - d. Glider goes high during tow or at low altitude
  
  - e. Name 3 “must release” situations for the glider pilot
    - 1
    - 2
    - 3.
  - f. Explain your philosophy as to when the tow plane “must release”
  
  - g. What is the procedure if the glider cannot release?
  
  - h. What is the procedure if both the glider and the tow plane can't release?
- 3) Describe the following ground signals as per the SSA Soaring Flight Manual.
  - a. Open the hitch

b. Close the hitch

c. Take up slack

d. Release the tow line

e. Hold

f. Stop operation emergency

g. Glider ready

h. Tow plane ready

i. Begin take-off

4) Describe the following airborne signals from the glider as per SSA SFM.

a. Turn right

b. Turn left

c. Increase speed

d. Decrease speed

e. Glider cannot release

5) Describe the airborne signals given by the tow plane.

a. Release immediately

- b. Tow plane cannot release
  - c. There is something wrong with the glider
- 6) Discuss what determines the maximum angles of bank appropriate for the aero tow.
- 7) How do select the general direction to tow from the airport?
- 8) How should the tow plane be positioned approaching the expected release altitude?
- 9) What is the glider expected to do after release?
- 10) What is the tow plane expected to do after release?
- 11) What techniques and procedures minimize engine shock cooling after release?
- 12) What are the procedures and considerations for dropping the rope when returning from a normal tow?
- 13) What does FAR 91.309 prescribe concerning:
- a. Tow rope strength and weak links?
  - b. Airspace considerations and clearances required?
  - c. Tow pilot and glider pilot coordination?
  - d. Releasing the tow line?

Tow pilot name \_\_\_\_\_ Date \_\_\_\_\_