ENVIRONMENTAL SYSTEM

1. What is the primary purpose of the environmental system?

2. What switch(s) control(s) the safety valve in flight?

3. What switch(s) control(s) the outflow valve in flight?

4. What prevents an excessive pressure bump during takeoff?

5. What is the max PSID for the outflow valve?

6. What is the max PSID for the safety valve?

7. What actually controls the PSID in safety valve operation?

8. Describe the electric heater lockout system.

9. How is maximum cooling of the T-44 accomplished?

10. How is maximum heating of the T-44 accomplished?

11. Will the electric heater work with the cabin temp mode switch off?

12. With the vent blower in AUTO, at what speed is the fan operating?

13. What pressurization systems work in conjunction with the right squat switch?

14. What N1 setting is required to maintain pressurization during descent?

OXYGEN SYSTEM

1. Per 3710, if loss of cabin pressurization occurs and oxygen systems are suspect, an immediate descent shall be made as soon as possible to a cabin altitude at or below \_\_\_\_\_\_feet. If not suspect, immediate descent shall be made to a cabin altitude at or below \_\_\_\_\_\_\_feet.

2. What is the oxygen system capacity (cubic feet and psi)?

3. At what altitude is the diluter demand regulator supplying 100% oxygen in the normal position?

4. What position is the oxygen mask stored in?

5. What is the minimum oxygen requirement for local flights? VMC

6. What is the minimum oxygen requirement for cross country flights?

ENVIRONMENTAL SYSTEM EMERGENCIES

1. What are the procedures for an altitude warning light?

2. What are the procedures for a loss of cabin pressurization?

3. What are the procedures for a rapid decompression?

4. What are the procedures for smoke and fire of an unknown origin?

5. What are the procedures for smoke and fume elimination?

6. Why would you not want to immediately descend if a fuselage fire is encountered?

7. What are the procedures for an emergency descent?

8. What speed is allowable in an emergency descent?

9. Before depressurizing an aircraft for any reason, what considerations must be given to crew or passengers?

10. One large source of smoke and fumes that may enter the cockpit from the engine is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

11. What actions should you take in the event of a CABIN DOOR OPEN light?

12. With a total loss of electrical power will the T-44 still maintain pressurization?