AIRPLANE QUESTIONNAIRE

Name: _______________________________ Grade: _______ CAPID: _______

Unit: __________________________________ Date: __________ CAID: _______

Check Pilot: ___________________________ Score: _______ Type/Model Aircraft: __________

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Complete this open book questionnaire using the Flight Manual/Pilot's Operating Handbook. If a question or part of a question is not applicable, write in NA. The check pilot will review and grade the questionnaire. Minimum passing score is 80%. The completed questionnaire will be filed in the pilot's flight records.

1. Approved fuel grades and colors are: ____________________________________________

2. Location/capacity of each fuel tank is: __________________________________________

3. Total usable fuel under all flight conditions is _______ gallons.

4. Endurance at 75% power, 7,500-foot MSL, with a 1-hour reserve is _______ hours.

5. What make and grade oil is used? Winter: __________ Summer: __________

6. Oil capacity is _______ quarts. Minimum oil quantity for take off is _______ quarts.

7. Minimum oil pressure is _______ psi. Maximum oil pressure is _______.

8. Maximum oil temperature is _______ degrees (F or C) _______.

9. Magnetos are checked at _______ RPM. RPM drop should not exceed _______ RPM on either magneto or _______ RPM differential between magnetos.

10. Maximum RPM and MP for takeoff are _______ and _______ in/Hg.

11. Maximum gross takeoff weight is _______ pounds. Empty weight is _______ pounds.

   Useful load is _______ pounds. Maximum landing weight is _______ pounds.

12. Baggage compartment locations/weights are: ____________________________________

13. Give the IAS at maximum gross weight for:

   a. Va (maneuvering speed). _______ e. Vx (best angle of climb, sea level). _______

   b. Vso (stall, landing config, power. off). _______ f. Vmc (minimum control speed – multi-

   c. Vs1 (stall, cruise config, power. off). _______ engine only). _______

   d. Vy (best rate of climb, sea level). _______ g. Best glide speed. _______

14. Give the immediate action/memory items for:

   a. Engine failure immediately after takeoff.

   b. Fire during cranking and engine fails to start.

   c. Engine fire in flight.

   d. Electrical fire in flight.