

AIRPLANE QUESTIONNAIRE

Name: _____ Grade: _____ CAPID: _____
Unit: _____ Date: _____
Check Pilot: _____ Grade: _____ CAPID: _____
Score: _____ Type/Model Aircraft: _____

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. V_a (maneuvering speed). _____
 - b. V_{so} (stall, landing config, power. off). _____
 - c. V_{s1} (stall, cruise config, power. off). _____
 - d. V_y (best rate of climb, sea level). _____
 - e. V_x (best angle of climb, sea level). _____
 - f. V_{mc} (minimum control speed – multi-engine only). _____
 - 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. Autopilot or Electrical Trim Failure (if applicable) otherwise -- Electrical fire in flight.

