

Name		Aircraft Registration		Date	
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**GENERAL:**

1. What is the aircraft type? \_\_\_\_\_
2. What is the aircraft designation code? \_\_\_\_\_
3. Empty weight of the aircraft (no fuel): \_\_\_\_\_

**ENGINE:**

1. Specify which engine type is fitted to this aircraft, give number of cylinders, maximum horsepower and RPMs at which max HP is delivered: \_\_\_\_\_  
\_\_\_\_\_
2. Briefly explain the cold start procedure: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. How is the mixture controlled on this aircraft? \_\_\_\_\_
4. How is the carburetor heat controlled on this aircraft? \_\_\_\_\_
5. What is the RPM setting for the magneto check? \_\_\_\_\_
6. What is the maximum mag. drop permissible? \_\_\_\_\_
7. What is the allowable difference between the mag. drops? \_\_\_\_\_
8. Maximum permissible engine RPM: \_\_\_\_\_
9. Permissible time @ maximum RPM: \_\_\_\_\_
10. Maximum continuous RPM: \_\_\_\_\_

**FUEL:**

1. What fuel is recommended for use in this aircraft? \_\_\_\_\_
2. What is the colour of this fuel? \_\_\_\_\_
3. How many fuel tanks are fitted to this aircraft? \_\_\_\_\_
4. What is the total useable fuel for this aircraft? \_\_\_\_\_
5. Fuel consumption @ 75% power: \_\_\_\_\_
6. What is the expected fuel endurance at 75% power? \_\_\_\_\_
7. Where are the fuel drains situated? \_\_\_\_\_
8. Where are the fuel vents fitted? \_\_\_\_\_
9. How many fuel pumps are fitted and how are they driven? \_\_\_\_\_  
\_\_\_\_\_

**OIL:**

1. What oil is used in this aircraft? \_\_\_\_\_
2. Where do you check the oil levels? \_\_\_\_\_
3. What is the minimum acceptable oil level? \_\_\_\_\_

**ELECTRICAL:**

1. Where is the battery located in this aircraft? \_\_\_\_\_
2. What is the battery voltage of this aircraft? \_\_\_\_\_
3. Why is it necessary to ensure that the master electrical switch is off before leaving the aircraft? \_\_\_\_\_
4. Is it possible to start the engine by hand swinging if the master electrical switch is turned off? (Yes / No) \_\_\_\_\_
5. If a circuit breaker pops or a fuse blows, what precautions should you take before resetting the fuse/breaker? \_\_\_\_\_

**OPERATING PROCEDURES:**

1. What is the normal take-off speed? ( $V_r$ ) \_\_\_\_\_
2. What is the short-field take-off speed? \_\_\_\_\_
3. What is the normal climbing speed? \_\_\_\_\_
4. What is the best rate of climb speed? ( $V_y$ ) \_\_\_\_\_
5. What is the best angle of climb speed? ( $V_x$ ) \_\_\_\_\_
6. What is the best angle of glide speed? \_\_\_\_\_
7. What is the landing approach speed with no flaps/full flaps? \_\_\_\_\_ / \_\_\_\_\_
8. What is the normal cruise power setting? \_\_\_\_\_

**LIMITATIONS:**

1. What is the never exceed speed ( $V_{ne}$ ) for this aircraft? \_\_\_\_\_
2. What is the maximum smooth air operation speed? \_\_\_\_\_
3. What is the maximum flap extension speed (First notch)? \_\_\_\_\_
4. What is the maximum full flap extension speed? \_\_\_\_\_
5. What is the absolute ceiling? \_\_\_\_\_
6. Maximum All Up Weight (MAUW) of the aircraft: \_\_\_\_\_
7. What is the stall speed with no flaps? \_\_\_\_\_
8. What is the stall speed with full flaps? \_\_\_\_\_

**WEIGHT AND BALANCE:**

1. Complete a load sheet for the aircraft, and find the position of the centre of gravity for take-off. (Use this aircraft's W&B)

PERCENTAGE		INSTRUCTOR NAME	
		SIGNATURE	
COMMENTS:			