Name		**Aircraft Registration**		**Date**	

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? (Vr) _____
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? (Vy) _____
5. What is the best angle of climb speed? (Vx) _____
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 (Vne) 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: