

Brantford Flight Centre
Aircraft Knowledge / Emergency Procedures Test

Date: _____ A/C Type & Ident: _____ Pilot: _____

01. What is the engine horsepower? _____
02. What is the maximum magneto drop during run-up? _____
03. What grade of oil should be used and what is the minimum quantity? _____
04. What is the empty weight of the aircraft? _____
05. What is the maximum take-off weight? _____
06. How much usable fuel do the tanks hold? _____
07. What is the approximate fuel burn in cruise with the mixture leaned? _____
08. What is the maximum demonstrated crosswind velocity: _____
09. Fill in the following speeds:
 - a) V_x : _____
 - b) V_y : _____
 - c) V_s : _____ (0°Flaps) _____ (Full Flaps)
 - d) V_a : _____
 - e) V_{fe} : _____
 - f) Normal Climb Speed: _____
 - g) Best Glide Speed: _____
 - h) Normal Approach Speed: _____
10. What is the procedure for an engine fire during start-up? _____

11. Where is the fire extinguisher located? _____
12. Where is the ELT located? _____
13. Where is the first aid kit located? _____
14. Where are the documents located? _____
15. Where is the Journey Log located? _____
16. What is the procedure for an engine failure shortly after take-off? _____

17. What should you do if you encounter low oil pressure in flight but maintain normal oil temperature? _____

18. What are two indications of carb icing? _____
19. What is the procedure for an electrical fire in flight? _____

20. What is the procedure for an overshoot from a full flap approach? _____

Pilot's Signature: _____

Instructor's Signature: _____