

CAMPBELL HELICOPTERS AIRCRAFT SERVICING AND GROUND HANDLING EXAM

Name: _____ **Date:** _____

<p>References:</p> <ol style="list-style-type: none"> 1. Aircraft Flight Manual 2. Aeronautical Information Manual 3. Company Operations Manual 4. Maintenance Control Manual 5. Maintenance Procedures Manual 6. Maintenance Manual Supplement 7. Bambi Bucket Operator's Manual 8. Sacksafoam Operator's Manual 	<p>Reviewed & Corrected to 100%</p> <p>By: _____</p> <p>Signature: _____</p> <p>Date: _____</p>
<p>This exam meets the requirements for initial and annual aircraft servicing and ground handling training in accordance with the COM Section 6 (6.15):</p> <ol style="list-style-type: none"> 1. Elementary Work, as per CARs 706.10 2. Fuelling procedures: <ol style="list-style-type: none"> a) types of fuel, oil and fluids used in the helicopter; b) correct fuelling procedures; c) procedures for checking fuel, oil and fluids and the proper securing of caps 3. Use of tow bars (practical) 4. Installation of protective covers on the helicopter (practical) 5. Use and maintenance of the Bambi bucket and Sacksafoam system 	

CANADIAN AIR REGULATIONS

1. No air operator shall authorize a person to perform, without supervision, a task that is elementary work set out in the Aircraft Equipment and Maintenance Standards unless the person:

- a) _____

- b) _____

2. Elementary work **does / does not** require a maintenance release to be signed by an AME.

3. Any elementary work performed on an aircraft must be detailed in the technical record, and must be accompanied by the signature of the person who performed the work.

TRUE / FALSE

COM

5. The Maintenance Engineer, assigned to the aircraft, will ensure that all scheduled inspections are carried out in accordance with the company maintenance control manual. The Pilot-in-Command will ensure that the aircraft is serviceable for flight by:

- a) _____
- b) _____
- c) _____

6. Each portable refueling system is equipped with grounding wires that will ensure grounding of:

- a) aircraft to _____;
- b) nozzle to _____; and
- c) pump to _____.

7. Passengers are permitted to be enplaning, on board, or deplaning during normal fueling operations.

TRUE / FALSE

8. What are the four existing conditions that the Main Rotors must be tied down?

- a) _____
- b) _____
- c) _____
- d) _____

9. Refueling, with engines running and rotors turning (Hot Refueling), may be conducted under the following conditions:

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

- f) _____

- g) _____

- h) _____

AFM / POH

10. The reservoir capacity of the hydraulic system (each) is _____ liters. Do the hydraulic reservoirs have a sight glass?
- a) 2.5 YES
 - b) 3.5 YES
 - c) 2.5 NO
 - d) 3.5 NO
11. Electrical sump valves are located in the lower cells, and are activated by pushbutton switches located on each side of the fuselage. BAT switch, must be _____. And FUEL switches must be _____. To activate the sump drains.
- a) ON – BAT BUS 2 OFF
 - b) ON – BAT BUS 1 OFF
 - c) ON – BAT BUS 2 ON
 - d) ON – BAT BUS 1 ON
12. What types of fuel are permitted to be used for the Bell 212?
- a) Jet A , A1
 - b) Jet B
 - c) JP4, JP5, JP8
 - d) Avgas 100 (Emergency Operations)
13. What oil does Campbell Helicopters use in all of its aircraft?
- a) Mobil Jet II
 - b) Aeroshell 7
 - c) Aeroshell 5
 - d) Vextron
14. Are we allowed to mix oils?
YES / NO

MCM / MPM

15. The pilot-in-command must be trained and authorized to carry out elementary maintenance, aircraft servicing, technical dispatch, defect control, etc... of Company aircraft. Responsibilities include:

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____

16. To be issued an Air Operator Authority Card, Company personnel must:

- a) _____
- b) _____

17. You are operating an aircraft in the field away from base. On one of your flights you note a defect with the aircraft. What are the required actions:

- a) _____
- b) _____

18. Defects that do not affect the airworthiness of the aircraft may be deferred in accordance with CAR 605.10. Who is responsible for ensuring that the aircraft is serviceable for a particular flight?

- a) AME
- b) PIC
- c) Both A&B

19. Except for minor defects (small tears in upholstery, small paint defects, etc...), when must a deferred defect be rectified?

- a) _____

- b) _____

20. What constitutes a recurring defect?

21. In order to satisfactorily meet the requirements of a “technical dispatch”, the pilot-in-command will determine the aircraft serviceability in respect of:

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

22. You are operating a standard configuration aircraft. Overnight the engineer installed the dual controls in the aircraft. When you review the Aircraft Journey Log what should you note with respect to the configuration change:

- a) _____
- b) _____
- c) _____

23. The normal Flight Authority for all Campbell Helicopters’ aircraft will be a valid Certificate of Airworthiness (C of A). Under what circumstances will the C of A no longer be in force?

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____
- g) _____
- h) _____
- i) _____

- j) _____
- k) _____
- l) _____
- m) _____
- n) _____

24. Should an aircraft with an invalid C of A require a ferry flight for maintenance, the Person Responsible Maintenance can approve the flight.

TRUE / FALSE with a permit

Bambi Bucket & Sacksafoam Operator’s Manual (Maintenance Manual Supplement)

25. “Udder” refers to the amount the dump valve bulges out below the bucket shell, when the bucket is full. In order to ensure proper sealing of the bucket when loaded the “udder” should extend a maximum of _____ inches below the bucket.

- a) 2
- b) 3
- c) 4
- d) 5

26. How do you properly adjust the “udder”?

- a) From the control head line
- b) Trip line from the chain
- c) Factory setting only
- d) Lengthen the purse strings

27. What is the procedure for dispensing foam into the Bambi bucket using the Sacksafoam system?

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

END OF EXAM