

ATLANTIC REGION L-19 OPEN BOOK EXAM ANSWER SHEET

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RANK: _____

SITE/SEASON: _____

DATE: _____

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Open Book Pass Mark is 85% (22/25)

Score: _____ / 100%

PASS / FAIL

Corrected face-to-face to 100% by: _____

(L19 Check/Standards Pilot - Print)

(L19 Check/Standards Pilot - Signature)

Date: _____

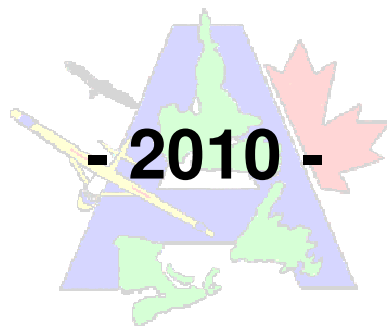
Questions for this Open Book Exam have been taken from the following:

A-CR-CCP-242/PT-005 (2010 Edition)
The Manual of Flying Training (Tow Pilot Information Package – Part 1)
AOI for the L19E (Tow Pilot Information Package – Part 2)
RGS(A) Tow Pilot SOPs (Tow Pilot Information Package – Part 6)
L19 Pilot's Checklist
Atlantic Region Flying Orders (2010 Edition)



Regional Gliding School (Atlantic)

Tow Pilot Open Book Exam



DO NOT WRITE ON THIS EXAM – USE ANSWER SHEET PROVIDED

1. In order to be approved for training for the position of Tow Aircraft Standards Pilot, the following prerequisite shall be met:
 - a. have acquired not less than 500 hours PIC
 - b. have logged at least 100 hours PIC on type since upgrading to Tow Aircraft Check Pilot
 - c. have successfully demonstrated Proficiency Level 4 on not less than 5 take-offs and landings
 - d. all of the above taken together are correct

2. In order to be approved for training for the position of Tow Aircraft Check Pilot, the following prerequisite shall be met:
 - a. have acquired not less than 400 hours PIC
 - b. have acquired not less than 200 hours PIC on tow aircraft type
 - c. have been employed as a qualified ACGP tow pilot within the last 12 months
 - d. all of the above answers taken together are correct

3. The RCA Ops O may extend the single tow qualifications and duties to include single tow cross-country operations provided that in addition to the standard prerequisites, the pilot:
 - a. has acquired not less than 25 hours PIC on the tow aircraft type
 - b. has acquired not less than 50 hours PIC on the tow aircraft type
 - c. has successfully demonstrated PL4 on at least one cross-country under the direct supervision of a Tow Aircraft Check/Standards Pilot qualified for cross country operations
 - d. both answers (a) and (c) taken together are correct

4. Which of the following must all ACGP pilots possess for the TC license(s) and/or rating(s) held by the pilot?
 - a. PPC
 - b. Medical Certificate
 - c. endorsement
 - d. AIP

5. Close formation flying in ACGP aircraft is PROHIBITED; however, loose or en route formation to perform specific tasks, such as cross-country towing, equipment transport, or PR photos may be authorized by the RCA Ops O or his delegated authority. Loose or en route formation is defined as lateral separation not less than _____ feet and longitudinal separation not less than _____ feet:
 - a. 200, 1000
 - b. 300, 2000
 - c. 400, 3000
 - d. 200, 400

6. Who may determine the airworthiness and serviceability of any ACGP aircraft that has been subjected to an abnormal occurrence or to damage?
 - a. a Transport Canada licensed AME only
 - b. any member of the RGS(A) maintenance staff
 - c. a Transport Canada licensed AME or an RGS(A) qualified tow pilot (minor repairs)
 - d. RGS(A) Ops O

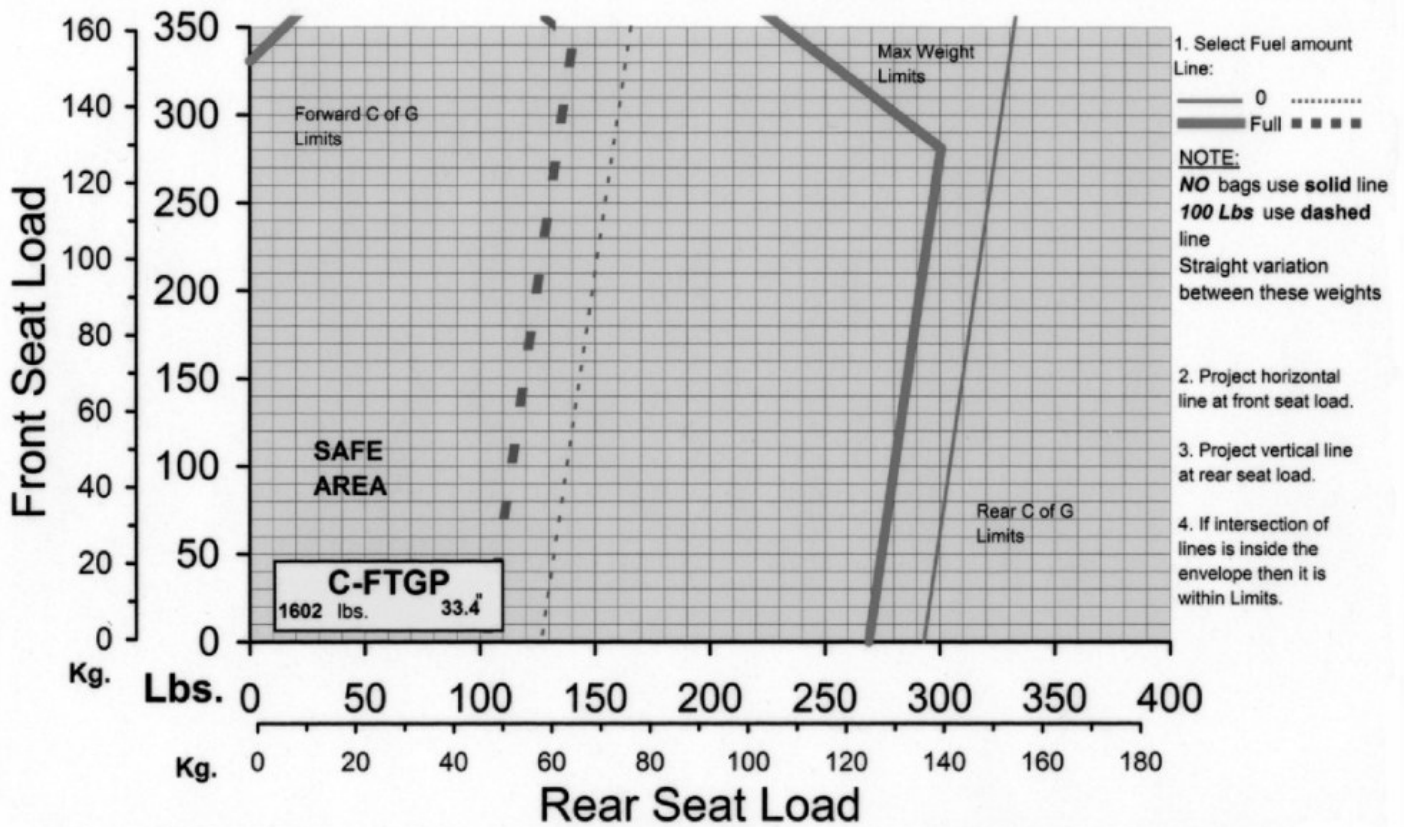
7. What are the minimum allowable weather conditions for glider operations?
- 3000' ceiling and visibility 5 NM, with a definite horizon
 - 2000' ceiling and visibility 3 NM, with a definite horizon
 - 1500' ceiling and visibility 3 NM, with a definite horizon
 - 1000' ceiling and visibility 3 NM, with a definite horizon
8. Which of the following actions will be taken in the event the tow plane and the glider must land together following a double-release failure?
- the glider will move to the high tow position and deploy full spoilers
 - the tow plane will set 10° to 20° of flaps and fly an approach speed of 60 MPH
 - once on the ground the tow plane will move gradually to the right and apply brakes
 - all of the above answers taken together are correct
9. Which of the following is NOT an aerodynamic factor that may cause a swing?
- slipstream effect
 - weather cocking
 - gyroscopic precession
 - asymmetric thrust
10. The engine control quadrant contains a throttle lever, a mixture lever and a carburetor air lever mounted on the left side of the cockpit. From inboard to outboard they are _____, _____ and _____.
- carburetor air lever, mixture lever, throttle lever
 - throttle lever, mixture lever, carburetor air lever
 - mixture lever, carburetor air lever, throttle lever
 - throttle lever, carburetor air lever, mixture lever
11. Which of the following grades of engine oil is to be used in RGS(A) tow planes unless otherwise directed by the Engineering Officer?
- Mobile Oil Corp 5W30
 - Aeroshell W100
 - Aeroshell 20W50
 - ESSO 10W30
12. Where is the only in-flight adjustable trim tab on an L19E located?
- the left elevator
 - the right aileron
 - the rudder
 - the right elevator
13. What is the maximum allowable airspeed if flying with the rear windows open?
- 80 MPH
 - 120 PH
 - 145 MPH
 - 98 MPH

14. What is the minimum oil pressure before beginning the Engine Run-up?
- a. 30 PSI
 - b. 125 PSI
 - c. 15 PSI
 - d. 3.74 PSI
15. How long should carb heat be applied when completing the "Pre-Stall" Checklist?
- a. 60 seconds
 - b. on until the end of the stall exercise
 - c. 45 seconds
 - d. 30 seconds
16. What is the maximum allowed oil pressure for the *O-470-11* engine in the L-19?
- a. 60 PSI
 - b. 95 PSI
 - c. 30 PSI
 - d. 40 PSI
17. What is the approximate fuel consumption for the L19 while cross-country towing?
- a. 27 Litres/Hr
 - b. 44 Litres/Hr
 - c. 33 Litres/Hr
 - d. 40 Litres/Hr
18. Why should the control column be held in the rearward position when the aircraft is being started?
- a. to provide lots of room for the pilot to handle the starter and throttle controls
 - b. to prevent a "nose-over" in case the engine starts at a higher than anticipated throttle setting
 - c. to lock the main wheel brakes so the aircraft can not move
 - d. all of the above answers taken together are correct
19. What is the minimum following distance between two or more L-19's when taxiing together?
- a. there is no minimum distance as long as the separation between a/c is safe for conditions
 - b. 200 feet
 - c. 100 feet
 - d. the distance briefed by the pilot of the lead a/c
20. Which of the following uses a right-hand tow pattern?
- a. Runway 16 at Debert
 - b. Runway 09 at Debert
 - c. Runway 23 at Debert
 - d. Both answers (a) and (b) are correct

21. At what altitude shall a tow plane join the downwind leg after experiencing a pre-mature glider release below 500 feet AGL?
- 1200 Feet AGL
 - 800 feet AGL
 - when a low pre-mature release happens, the tow plane can level off and proceed to the base leg
 - 1000 feet AGL
22. When are flap settings greater than 30° permitted during the landing sequence?
- when the airspeed is in the white arc
 - when the cylinder head temperature is below 200°
 - when established on the base leg at an airspeed of 80 mph
 - when trying to lose excess height while on the downwind leg
23. Why should tow aircraft be taxied straight out from the fuel pumps after refuelling until adjacent to Taxiway Alpha before changing direction?
- to avoid directing prop wash at personnel near the fuel pumps
 - to provide wing tip clearance with the aviation fuel bulk storage tank
 - to allow room for other aircraft to taxi up to the fuel tanks from the side
 - to provide the pilot a chance to test the brakes while still travelling in a straight line
24. Which of the following statements is true at the pumps during re-fuelling?
- all personnel should remain vigilant until the tow plane is facing the ramp
 - all personnel should remain vigilant until the tow pilot calls "mags off"
 - all personnel should remain vigilant until the pilot exits the aircraft
 - both answers (b) and (c) taken together are correct
25. How much baggage can be carried if the front seat pilot weighs 230 pounds, the rear seat pilot weighs 190 pounds, and there are 10 litres of oil under the back seat?
- 70 pounds
 - 60 pounds
 - 50 pounds
 - 80 pounds

Use the Weight & Balance Graph On The Next Page

Use This Graph To Answer Question No. 25



Add weight of oil stored under rear seat at 2 lbs/litre to rear seat load.

14-Jul-03