

ATLANTIC REGION L-19 OPEN BOOK EXAM ANSWER SHEET

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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: _____

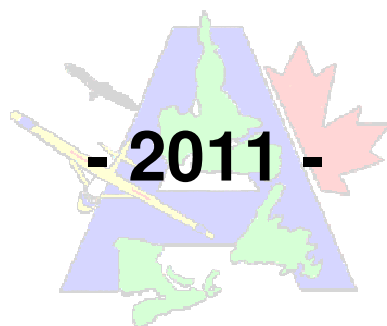
Questions for this Open Book Exam have been taken from the following:

A-CR-CCP-242/PT-005 (2011 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 (2011 Edition)
L19 Pilot's Checklist
Atlantic Region Flying Orders (2011 Edition)



Regional Gliding School (Atlantic)

Tow Pilot Open Book Exam



DO NOT WRITE ON THIS EXAM – USE ANSWER SHEET PROVIDED

1. What is the minimum allowable flying experience that must be maintained in order for a pilot to meet the Transport Canada recency requirements and to hold the qualification of Tow Pilot?
 - a. 5 hours PIC in the preceding 12 months
 - b. 10 hours PIC in the preceding 180 days
 - c. 15 hours PIC in the preceding 12 months
 - d. 5 hours Total Time in the preceding 12 months

2. How many take-offs and landings must a tow pilot demonstrate to regain currency if he/she has not flown the L-19 between 181-365 days?
 - a. one
 - b. two
 - c. three
 - d. four

3. Waivers for qualification pre-requisites shall be granted only in exceptional circumstances and these waivers shall be forwarded to ...
 - a. NCA Ops O prior to DCadets approval
 - b. Commanding Officer of RCSU
 - c. ACGP SET prior to NCA Ops O approval
 - d. both answers (a) and (c) taken together are correct

4. When a tow pilot moves between regions, he/she will complete _____.
 - a. a circuit check with a Tow Chk or Stds Pilot
 - b. one tow under supervision
 - c. a tow proficiency check flight
 - d. a minimum of one forced approach with a Tow Chk or Stds Pilot

5. Where will a pilot undergoing a conversion, currency, proficiency or an upgrade flight in a tow aircraft record the flight time if the Tow Aircraft Check/Standards pilot is the holder of a Canadian Private Pilot Licence?
 - a. the INSTR column
 - b. the DUAL column
 - c. the PIC column
 - d. the REMARKS column

6. Which of the following conditions must be met to carry out famil flights in tow aircraft during towing operations?
 - a. the tow pilot must be a Tow Aircraft Check or Standards pilot
 - b. the PICs of the glider and the tow aircraft must each have a minimum of 100 PIC
 - c. the activity is approved by the RCA Ops O (or equivalent)
 - d. famil flights in tow aircraft during tow operations are not allowed

7. What is the maximum 90⁰ crosswind limitation for an L-19 that is not being used for a tow pilot conversion, proficiency, or currency flight?
 - a. 10 KTS (11 MPH)
 - b. 5 KTS (6 MPH)
 - c. 8 KTS (10 MPH)
 - d. 15 KTS (17 MPH)

8. What is the proper action for the tow pilot, when taking up slack, if the L-19 signaller raises both arms above his/her head?
- release the rope and taxi over to park where the signaller indicates
 - stop moving forward and wait for further instructions
 - stop and immediately release the rope
 - continue taking up slack, but at a reduced speed
9. 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
10. What is the correct tow pilot response if the glider on tow rapidly diverges to an excessively high or low tow position that is sufficient to produce overpowering forces on the tail of the tow plane?
- try to match the glider's movements
 - try to avoid the glider
 - release the glider
 - call the glider on the radio and ask the glider pilot to resume the proper tow position
11. In which direction does the L-19 tend to swing as a cumulative result of aerodynamic factors?
- to the left
 - to the right
 - it depends on the wind
 - aerodynamic factors do not influence the tendency to swing
12. Which of the following is the source of power for the oil temperature gauge?
- directly from the battery
 - from a thermocouple attached to the pressure relief valve
 - distributed from the bus bar
 - directly from the generator
13. Which of the following is the source of power for the engine tachometer?
- from the vacuum pump
 - directly from the generator
 - directly from the battery
 - none of the above answers is correct - it is a "self generating" instrument
14. Which of the following statements about the external power receptacle is correct?
- it is located on the right side of the fuselage aft of the firewall
 - it is used to plug in an external 28 volt, direct current source for starting the engine
 - the battery switch should be OFF when plugging in the external power source
 - all of the above answers taken together are correct

15. What is the maximum number of times a circuit breaker may be reset if an overload in the circuit causes it to pop out?
- a. once
 - b. twice
 - c. as often as necessary
 - d. never
16. What does the load meter reading indicate?
- a. the actual load on the electrical system as a percentage of generator capacity
 - b. battery voltage
 - c. battery condition
 - d. generator condition
17. Which of the following is hydraulically actuated when toe pressure on the rear rudder pedals is mechanically transmitted to the front pedals?
- a. the steerable tail wheel
 - b. the main wheel brakes
 - c. the rudder
 - d. all of the above answers taken together are correct
18. Which of the following are powered by the L-19's direct current electrical system?
- a. tachometer, turn & slip, oil temperature gauge
 - b. wing flap position indicator, cylinder head temperature gauge, turn & slip
 - c. turn & slip, wing flap position indicator, tachometer
 - d. turn & slip, wing flap position indicator, oil temperature gauge
19. What is the maximum allowable airspeed (V_{NE}) for the Hoffman propeller?
- a. 150 KTS
 - b. 145 KTS
 - c. 150 MPH
 - d. 190 MPH
20. What is the minimum allowable oil temperature required for take-off in the L-19?
- a. 24° C
 - b. 40° C
 - c. 125° C
 - d. 30° C
21. How often should the engine be "cleared" during power off descents?
- a. every 15 seconds
 - b. every 60 seconds
 - c. every 45 seconds
 - d. every 30 seconds

22. What is the proper position for the elevators when the aircraft is being taxied in a strong tailwind?
- the down position (stick forward)
 - the neutral position (stick neutral)
 - the up position (stick back)
 - it does not make any difference
23. When tow aircraft are being moved by hand in confined areas (into and out of hangars and around other aircraft), persons shall be located at
- both wing tips
 - at the tail
 - both answers (a) and (c) taken together are correct
 - at the front of the aircraft so that both wing tips are visible
24. What are the maximum rate of descent / angle of bank settings, respectively, while conducting cross-country towing operations?
- 200 feet/minute / 15⁰
 - 300 feet/minute / 20⁰
 - 500 feet/minute / 30⁰
 - 700 feet/minute / 30⁰
25. Which of the following is the minimum *annual* ACGP requirement to ensure that ACGP personnel satisfy the Transport Canada recency requirement? (CARs 401.05 (2))
- successful Flight Review conducted by a TC Flight Examiner or a Designated Flight Examiner
 - completion of the most recently dated *Self-paced Study Program* in the TC Safety Newsletter
 - successful completion of the PSTAR Exam
 - 5 take-offs and landings under the supervision of the holder of a Flight Instructor Rating