

# ATLANTIC REGION SGS 2-33A EXAM ANSWER SHEET

NAME: \_\_\_\_\_

RANK: \_\_\_\_\_

SITE/SEASON: \_\_\_\_\_

DATE: \_\_\_\_\_

### OPEN BOOK

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### CLOSED BOOK

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**PASS / FAIL**

**PASS / FAIL**

Pass Mark is 85% on EACH Exam

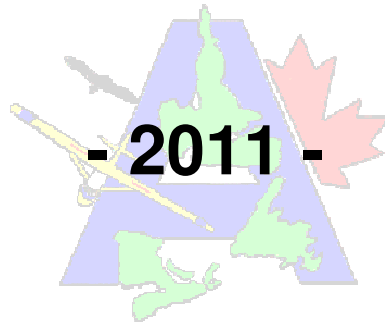
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# **Regional Gliding School (Atlantic)**

## **Glider Pilot Open Book Exam**



**DO NOT WRITE ON THIS EXAM – USE ANSWER SHEET PROVIDED**

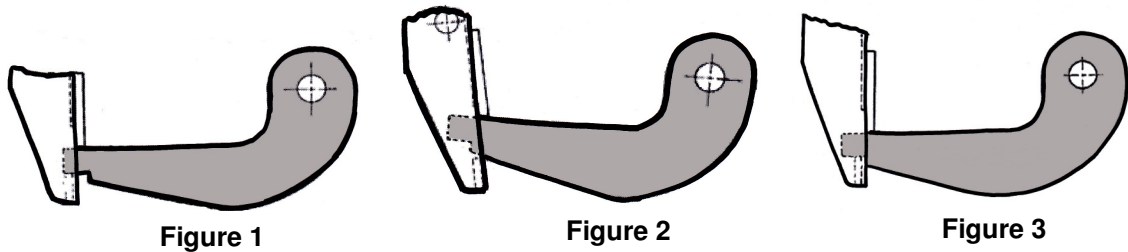
# Glider Open Book Exam

## - 2011 -

1. To which of the following have ACGP operational airworthiness responsibilities been assigned?
  - a. the ACGP Standards & Evaluation Team (SET) Flight Commander
  - b. the Commander of 1 Canadian Air Division (1 Cdn Air Div)
  - c. the Director of Cadets (DCadets)
  - d. 2 Canadian Air Division (2 Cdn Air Div) / Directorate Air Force Training (Dir AF Trg)
  
2. A list of authorized and qualified military personnel participating in the ACGP shall be maintained by .....
  - a. RCAOpsO
  - b. Site Supervisor
  - c. DCadets
  - d. Commander RCSU
  
3. Which of the following pre-requisites must be held by a candidate in order to be upgraded to a Glider Instructor Standards Pilot?
  - a. have been successfully employed as a glider instructor for at least 3 years
  - b. have participated at a glider famil site for at least 2 years
  - c. have acquired not less than 60 instructional hours in gliders
  - d. both answers (a) and (c) taken together are correct
  
4. Which of the following is a prerequisite to hold the qualification title Auto Launch Driver?
  - a. a Canadian Driver's Licence/Operator's permit for the launch vehicle being used
  - b. instruction and practical experience on associated equipment and rope/cable splicing, including a certification to carry out and authorize DIs.
  - c. complete at least 10 auto launches under the supervision of an auto launch instructor
  - d. all of the above answers taken together are correct
  
5. What is the minimum allowable time that flying personnel shall wait prior to flight after donating blood?
  - a. 24 hours
  - b. 48 hours
  - c. 72 hours
  - d. 96 hours
  
6. If one or more glider sequences for a ground-based launch method are not completed because of launch altitude limitations, that sequence(s) should be completed at the next available opportunity, but as a minimum within the next \_\_\_\_\_ months.
  - a. 12 months
  - b. 24 months
  - c. 36 months
  - d. 48 months

7. On which of the following exercises must a Glider Famil Pilot (Front & Rear Seat) consistently demonstrate PL4?
- steep turns
  - release
  - spiral dives
  - all of the answers given above is correct
8. How many take-offs and landings must a glider pilot demonstrate to regain currency if he/she has not flown for between 181-365 days?
- one
  - two
  - three
  - four
9. On which of the following flights may a Glider Instructor Pilot achieve PL3 during the annual Refresher Course?
- Air Lesson 9
  - Air Lesson 13
  - Air Lesson 10
  - none of these
10. Which of the following sets of measurements describes the dimensions of the SGS 2-33A glider?
- length 25'9" - wingspan 51'0" - height 9'3<sup>1</sup>/<sub>2</sub>"
  - length 38'0" - wingspan 51'0" - height 9'3<sup>1</sup>/<sub>2</sub>"
  - length 25'9" - wingspan 38'0" - height 9'3<sup>1</sup>/<sub>2</sub>"
  - length 25'9" - wingspan 51'0" - height 10'5"
11. ACGP gliders shall conform to *CAR 522.1303* and shall have a functioning ...
- ASI and magnetic compass
  - ASI and altimeter
  - ASI and VSI
  - VSI and altimeter
12. Which of the following combinations represents the maximum number of front seat back-spacers and back-cushions?
- one** curved back-spacer; **two** flat back-spacers; and **one** back-cushion
  - one** curved back-spacer; **one** flat back-spacer; and **one** back-cushion
  - one** curved back-spacer; **two** flat back-spacers; and **two** back-cushions
  - one** curved back-spacer; **one** flat back-spacer; and **two** back-cushions
13. With regard to winch launches, what is the minimum rope/cable layout path running in a straight line from the launch site to the winch site?
- 5,000 feet long and 150 feet wide
  - 2,500 feet long and 75 feet wide
  - 1,500 feet long and 50 feet wide
  - 4,000 feet long and 100 feet wide

14. Which of the following illustrations represents the proper seated position for the glider tow hook against the release arm?
- Figure 1
  - Figure 2
  - Figure 3
  - Each of these figures illustrates a satisfactory and safe hook-up arrangement



15. Which of the following is the preferred method for moving gliders by hand?
- push the glider forward with the pushing force on the struts
  - push the glider backward with the pushing force on the leading edge of the wing
  - push the glider backward with the pushing force on the struts
  - push the glider backward with the pushing force on the nose section
16. Which of the following auto tow launch vehicle speeds would be a reasonable estimate of the required towing speed once the glider is in a safe climb on a day with a surface wind speed of 9 mph?
- 36 mph
  - 65 mph
  - 12 mph
  - 41 mph
17. Which of the following items have to be checked during the Daily Inspection (DI) of a glider?
- the canopy attachment points
  - the condition of the canopy latches
  - the cleanliness of the canopy
  - all of the above answers taken together are correct
18. Which of the following situations constitutes an UNSAT solo flight?
- willful contravention of ACGP or Transport Canada regulations
  - an unsafe action that jeopardizes the safety of the solo pilot, aircraft, or persons on the ground
  - intervention by radio for the purpose of providing direct instruction to prevent an unsafe act or to resolve an unsafe situation
  - each of the answers given above is correct
19. What is a pre-requisite to be eligible to take the Glider Instructor Course?
- a current TC Glider Licence with 20 hours PIC and at least 100 flights
  - a current TC Glider Licence with 10 hours PIC and at least 125 flights
  - a current TC Power Licence with 10 hours PIC and at least 200 flights
  - none of the above is correct

20. How high should the glider be behind the tow plane just after lift-off while waiting for the tow plane to become airborne?
- 1-2 feet AGL
  - 6-8 feet AGL
  - 3-5 feet AGL
  - the tow plane becomes airborne before the glider
21. When should you turn on to the base leg in the SGS 2-33A glider when flying in winds exceeding 15 knots?
- when the touchdown point is  $45^{\circ}$  over your shoulder
  - when the touchdown point is  $30^{\circ}$  over your shoulder
  - early
  - late
22. How would you describe the incipient stage of a spin?
- a transition between a stall and a fully developed spin
  - a transition between an uncoordinated turn and a stall
  - a transition between a spiral dive and a fully developed spin
  - none of the answers given above is correct
23. Who may participate in the activities of the ACGP with a CO's authorization and the approval of the RCAOpsO?
- an active enrolled Air Cadet or CIC officer
  - an approved CI working with the RGS(A) or a RCAirCS
  - a member of Cadet Organizations Administration & Training Service (COATS) employed with an LHQ, RGS(A), RCSU(A)
  - each of the answers given above is correct
24. How close may a thunderstorm approach a gliding site before all flying and refuelling operations shall cease and all aircraft sheltered or tied down?
- 1 mile
  - 2 miles
  - 5 miles
  - 10 miles
25. Which of the following conditions shall be met prior to commencing a glider cross-country transit flight?
- a minimum 3,000' ceiling with 3 miles visibility over the entire route up until 2 hours after arrival at the destination airport
  - flying aircrew shall be appropriately dressed for the mission altitude and weather
  - an Aviation Document Booklet is on file for each member of the flying aircrew
  - all of the above taken together are correct