

ATLANTIC REGION SGS 2-33A EXAM ANSWER SHEET

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Pass Mark is 85% on EACH Exam

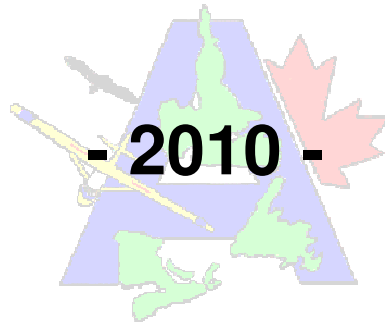
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Regional Gliding School (Atlantic)

Glider Pilot Open Book Exam



DO NOT WRITE ON THIS EXAM – USE ANSWER SHEET PROVIDED

Glider Open Book Exam

- 2010 -

1. Which if the following shall be included in the Regional Flying orders?
 - a. alternate landing areas
 - b. flying training areas
 - c. emergency response procedures
 - d. all of the above taken together are correct

2. Which of the following is a pre-requisite for the qualification Glider Check Pilot?
 - a. hold a valid Fixed Wing Flight Instructor Rating
 - b. be a graduate of the ACGP Glider Instructor Course
 - c. have been successfully employed as an RGS Instructor for at least two years and shall have acquired not less than 25 Instructional hours
 - d. all of the above taken together are correct

3. The PIC requirements and number of flights in gliders may be waived as a pre-requisite for the qualification title Glider Famil Pilot (Rear Seat) if the pilot:
 - a. has successfully completed flying training to CF "Wings" standard
 - b. has acquired 10 hours PIC as a Glider Famil Pilot (Front Seat)
 - c. has demonstrated a "glider release" to at least a PL 3
 - d. has more than 25 flights in gliders

4. Which is a pre-requisite for the qualification Winch Launch Operator?
 - a. must have completed a briefing that included Winch Launch Emergency SOPs
 - b. must have observed 10 winch launches
 - c. must have a practical application of at least one simulated winch launch emergency
 - d. both (a) and (b) taken together are correct

5. The maximum continuous cockpit time is not to exceed 2.5 hours for all operations except:
 - a. PR flights for members of the public
 - b. instructional flights
 - c. cross-country transit flights
 - d. famil flying at the glider famil sites

6. Which of the following shall be included as part of a Glider Annual Proficiency Check (APC) for a rear seat famil pilot?
 - a. successful completion of one upper air flight (fulfils APC requirements - all launch types)
 - b. successful completion of one dual simulated launch failure (for each type of launch)
 - c. both answers (a) and (b) taken together are correct
 - d. a minimum of two dual flights to normal operating circuit altitude is required

7. Glider sequences for ground-based launches not demonstrated during the Glider Annual Proficiency Check (APC) because of launch altitude or other limitations shall be fully discussed in a face-to-face briefing and shall be completed within:
 - a. one year
 - b. six months
 - c. the calendar year
 - d. three months

8. Certification of annual proficiency, currency, and upgrade qualifications shall be entered on the current page of the pilot's logbook, and shall contain the following:
 - a. aircraft registration
 - b. APC anniversary date
 - c. signature and rank of the instructor or supervising pilot
 - d. licence number of the pilot receiving the proficiency; currency; upgrade

9. Which of the following must be taught by the Instructor Candidate during Glider Instructor Refresher Training?
 - a. low circuit entry during Air Lesson 13
 - b. pre-mature glider release in the launch sequence during Air Lesson 10
 - c. spoiler failure during Air Lesson 7
 - d. open canopy emergency response during Air Lesson 3

10. Which of the following operations would require the PIC Glider Instructor to log time in the INSTR column of his/her personal logbook?
 - a. ab initio training
 - b. cross-country transits
 - c. demo flights
 - d. both (a) and (c) taken together are correct

11. What is the minimum sink rate for the SGS 2-33A glider?
 - a. 133 fpm solo / 156 fpm dual
 - b. 116 fpm solo / 127 fpm dual
 - c. 156 fpm solo / 186 fpm dual
 - d. 141 fpm solo / 156 fpm dual

12. What special consideration shall be kept in mind when "slipping" the SGS 2-33A glider?
 - a. slipping above the maneuvering speed requires no special considerations
 - b. smooth control inputs are required
 - c. a minimum airspeed of 50 mph solo / 55 mph dual must be maintained
 - d. both answers (b) and (c) taken together are correct

13. What shall be considered in addition to crosswind limitations when making a decision on whether or not to conduct gliding operations?
 - a. hazardous weather conditions within 5 miles of the airport
 - b. local terrain and the associated mechanical turbulence
 - c. the experience level of the glider pilots who will be flying
 - d. all of the above taken together are correct

14. When is it NOT mandatory to have a qualified LCO on duty during flying operations?
 - a. when launching a single cross-country transit flight
 - b. when launching multiple Famil Flights
 - c. when launching multiple Training Flights
 - d. a qualified LCO shall be on duty for all flying operations, without exception

15. When is it permissible to "taxi" a glider off the landing surface during the roll-out?
 - a. in an emergency situation
 - b. to speed up the tempo of launches
 - c. when good airmanship is required
 - d. both answers (a) and (c) are correct

16. Which of the following is the nominal tie-down rope used in ACGP operations?
 - a. a rope/strap with an average breaking strength of 1,040 lbs
 - b. a rope/strap with an average breaking strength of 2,300 lbs
 - c. a rope/strap with an average breaking strength of 2,700 lbs
 - d. a rope/strap with an average breaking strength of 1,080 lbs

17. When are temporary tie-downs permitted to secure an SGS 2-33A glider?
 - a. when on deployments away from the normal operating airfield
 - b. overnight when the use of permanent tie-downs is not practical
 - c. temporary tie-downs are NOT permitted
 - d. both answers (a) and (b) are correct

18. Which of the following is a requirement when leaving a glider unattended for a short period of time? (example: while everyone is having lunch)
 - a. a total of three points on the glider must be secured to prevent pivoting
 - b. flight controls shall be tied in the full "nose down" position
 - c. one wing shall be tied down to a ground anchor plus one other point shall be secured
 - d. the spoilers should be closed to prevent stressing the push rod assembly

19. Which of the following is true with respect to auto tow operations?
 - a. a weak link shall be attached to one end only of the auto tow rope
 - b. two weak links are permitted; one attached to each end of the auto tow rope
 - c. the weak link shall be a knot 18 inches from the glider end of the auto tow rope
 - d. no weak link is permitted if the hollow braid rope is used as the auto tow rope

20. Which of the following represents the proper execution order when responding to an auto tow launch emergency?
- a. Assess, Pull, Glide, Select
 - b. Glide, Pull, Assess, Select
 - c. Select, Glide, Assess, Pull
 - d. Glide, Assess, Select, Pull
21. Which of the following techniques is the correct procedure in the event of a glider release failure while on aero tow?
- a. climb approx. 20 feet higher than normal high tow to be clear of the rope when the tow plane releases the rope
 - b. move to the right and level with the tow plane, and briskly bank the glider's wings back and forth to get the tow pilot's attention
 - c. try to break the rope by opening spoilers
 - d. both answers (a) and (b) are correct
22. Which of the following is an element of a "good decision?"
- a. risk management
 - b. evaluation skills
 - c. self evaluation (IMSAFE)
 - d. each of the above is correct
23. What conditions shall be met when members of a visiting Air Cadet Squadron are used to assist the qualified ground crew when launching a glider?
- a. visiting cadets must write the auto tow conversion exam before assisting
 - b. visiting cadets must be Level 4 cadets before being allowed to assist
 - c. visiting cadets must be individually supervised by members of the qualified ground crew
 - d. all of the answers given above are correct
24. Which of the following statements is TRUE with regard to the insurance coverage of ACGP aircraft?
- a. ACGP aircraft are insured by the provincial committees of the Air Cadet League
 - b. DND issues a national insurance policy for all aircraft used in the ACGP
 - c. insurance coverage is paid for by RGS(A) and is part of the RGS(A) budget
 - d. no formal insurance coverage exists - a/c are repaired/replaced from the DND budget
25. Which of the following items will be entered in the Aircraft Journey Log after the completion of authorized "elementary work" by a qualified pilot?
- a. a brief description of the work completed
 - b. the name (printed and signed) of the qualified pilot completing the work
 - c. the licence number of the qualified pilot completing the work
 - d. all of the answers given above are correct