

A.A.C. JUDGE'S HOME STUDY COURSE REFRESHER

NOTE: this course is intended to be completed by all people intending to be judges at competitions of the Australian Aerobatic Club or its chapters. It is a basic course only, intended to prepare a judge in the practical aspects of judging and knowledge of the AAC rules as they would be applied specifically on the judging line. The answers to all questions will be found in the Australian Aerobatic Club Contest Rule Book as amended. The course does not follow the rule book in a logical order. It is suggested that you read the Contest Rules thoroughly before attempting to answer the Home Study Refresher Course. It is designed to test your knowledge and application of the rules rather than your ability to follow the Contest Rule Book as you answer the questions.

This course does not cover the procedural aspects relating to the administration of contests or knowledge of the rules regarding the design or checking of Free Programmes. These are areas which Chief Judges and Contest Directors would be expected to be familiar with and are covered by an advanced course which will be supplied separately to this course. However at the time of revising this course the ARESTI Catalogue has seen major revision.

Note: Once the preparatory course is completed further judge training and experience should be obtained at coaching sessions at local Chapter practice days.

The types of questions in this course are of the following broad types

- * Fill in the blanks
- * Multi choice a,b,c,d (note only one answer is correct in each case – please circle your answer)
- * True/False
- * Write a short answer in a few sentences

The type of question being asked will generally be fairly obvious to the person completing the course. After completion, please send for marking to

Laura Hart
PO 141
Sunnybank Qld 4109

If you have any queries or problems completing the course, please contact me on
B/Hrs. (07) 3276 8111
Mobile: 0417 239 336
Email: jhsc@aerobicsaustralia.com.au

Pass rate is 80%. Good luck!

2009 JUDGES REFRESHER COURSE

1. Continuation in a category will be denied a competitor where:

- The competitor received less than a score of 5.0 for half of the figures in their sequence.
- The competitor zeroed 75% of the Known sequence.
- In the opinion of the Contest Jury and Board of Judges, a pilot demonstrates an inability to satisfactorily control their aircraft, he/she will be disqualified from that category

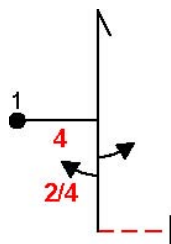
2. Which of the following does NOT meet the definition of an “implicit” program interruption?

- Omitting a figure
- Adding a figure to a sequence to correct heading or attitude
- Correcting a heading deviation of 90° or more between figures
- Regaining height in the case of altitude difficulties

3. If any judge does not see enough of a figure to grade it properly, the judge should:

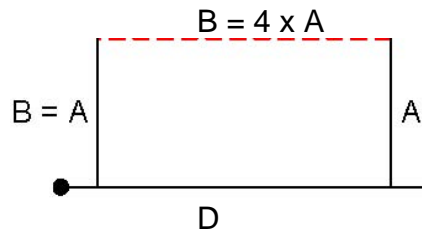
- Mark the figure an “A” (average) based on the last 3 or 4 previous figures.
- Mark the figure “A” to give the scoring software the authority to replace their mark with the average of the marks of the other judges on Form A.
- Mark the figure based on what was seen and how it sounded.
- Mark the figure as a zero.

4. In the following figure, the exit radius may be different from the entry radius.



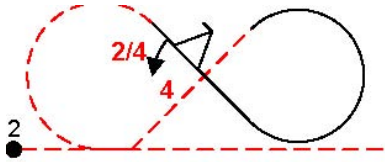
- True
- False

5. What is the deduction for the errors in line lengths of the following 7.7.1 square loop?



- a. 2 points
- b. 3 points
- c. 4 points
- d. 6 points

6. In the following figure:



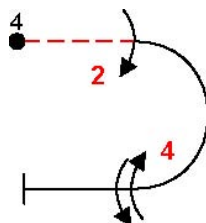
(A). The radii of the part loop between 45 degree and horizontal should be equal to the loop of the horizontal 8 itself

- a. True
- b. False

(B). The entry and exit lines must be at the same altitude

- a. True
- b. False

7. As a competitor performs the following figure, the second half of the two-point roll appears to be integrated within a 10 degree arc of the half loop.

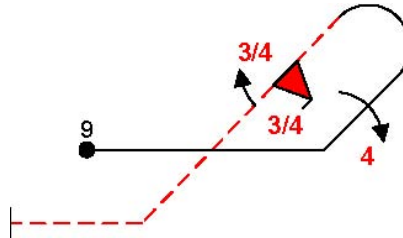


The correct downgrade is:

- a. Zero
- b. At least 2 points

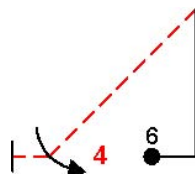
c. At least 1 point

8. In the following figure, which radii must be equal?



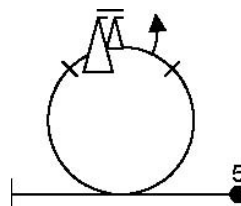
- a. All radii must be equal.
- b. The entry and exit radii must be equal
- c. All radii may be different
- d. The entry and half loop radii must be equal, the exit radius may be different

9. What is the deduction for the error in the following figure?



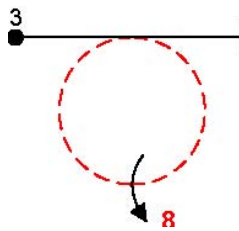
- a. 1 point
- b. 2 points
- c. 3 points
- d. 4 points

10. In the following figure, the multiple roll combination must be centered in the loop and flown on the arc of the loop.

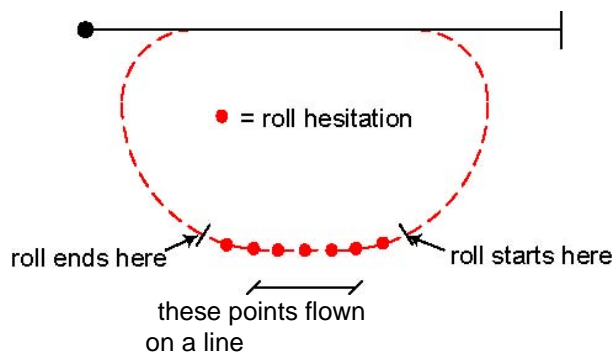


- a. True
- b. False

11. A competitor is required to fly:



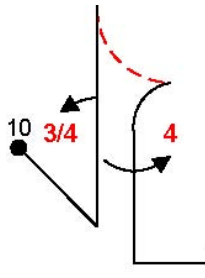
but actually is flown as:



The appropriate downgrade is:

- a. Zero ; wrong figure was flown.
- b. Deduct at least 1 point for radius change between the first and second quadrants depending on the magnitude of the variation, at least 2 points for the line, and at least 1 point for radius change between the third and fourth quadrants depending on the magnitude of the variation, for a total deduction of at least 4 points.
- c. Deduct at least 1 point for one radius change, depending on the magnitude of the variation, and at least 2 points for the inserted line, for a total deduction of at least 3 points.

12. A competitor performs the following figure:



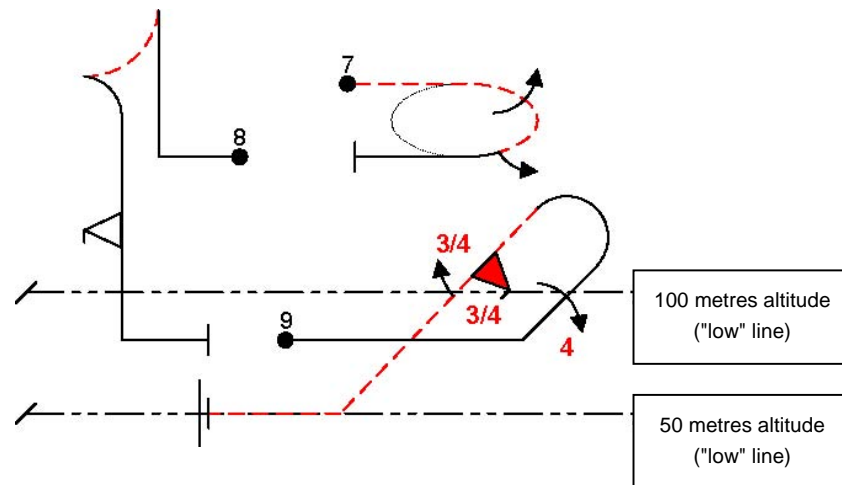
After the 3/4 roll on the up-line, which was over-rotated by 5 degrees, the aircraft's zero lift axis is observed 5 degrees short of the vertical, maintains this attitude during the slide backward, and then a 5 deg error is observed in 2 of the 4 hesitations of the hesitation roll on the down-line. The appropriate downgrade is:

- a. 6 points
- b. 5 points
- c. 4 points
- d. 3 points

13. Considering the figure in the previous question, if the slide backwards was not at least a half fuselage length, the appropriate downgrade is:

- a. Zero
- b. At least 2 points
- c. No downgrade

14. For the following sequence of figures:



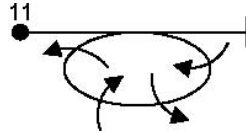
Each Judge must annotate the following low altitude infringements:

- One (1) “low” altitude infringement against figure 8 and one (1) “low” altitude infringement against figure 9.
- One (1) “low” altitude infringement against figure 8 and one (1) “low” altitude infringement against figure 9 with an additional “low-low” (more than 50 metres low) altitude infringement against figure 9.
- One (1) “low” altitude infringement against figure 8 and two (2) “low” altitude infringements against figure 9.
- One (1) “low” altitude infringement against figure 8 and two (2) “low” altitude infringements against figure 9 with an additional “low-low” (more than 50 metres low) altitude infringement against figure 9.

15. In relation to the positioning of figures in the performance zone a judge needs to consider the optimum position of each figure flown Any bad presentation of a figure in the performance zone will cause a further reduction in their positioning score of:

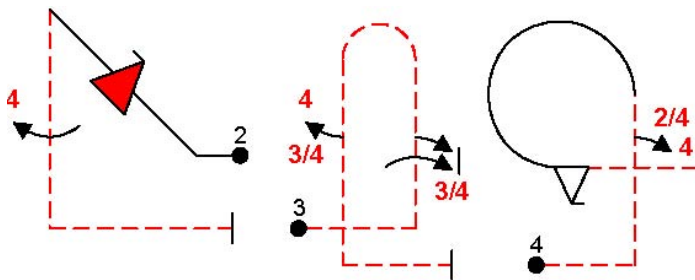
- 0.5 point
- 1.0 point
- 0.5 to 1.0 point, depending on the severity
- At least 1 point, depending on the severity

16. A competitor performs the rolling turn (again shown below) and each roll reversal occurred with the wings 5 degrees off from wings level, there were three (3) variations in roll rate, and the turn was completed on heading with 20 degrees of the last roll occurring on a straight line. The mark for this figure must be:

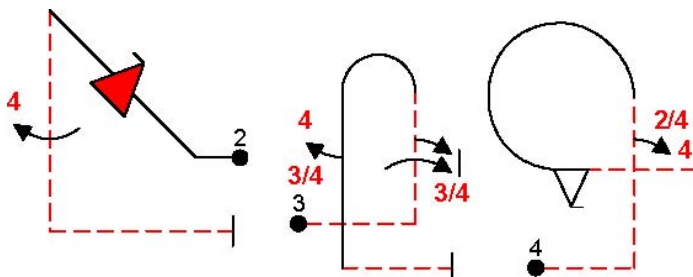


- a. Zero for accumulation of errors
 - b. 1.5
 - c. 2.0
17. A figure started behind the judges, as determined by each Judge, must be marked a Zero.
- a. True
 - b. False
18. Penalties for height infringements are assessed based on a simple majority opinion of the judges.
- a. True
 - b. False

19. A Competitor is required to fly the figures below

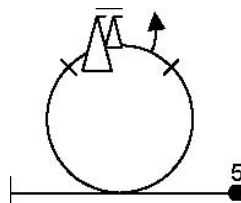


the competitor actually flies:



- Mark figure 2, 3, and 4 normally
- Mark figure 2 normally, Zero figure 3, mark figure 4 normally
- Mark figure 2 normally, Zero figure 3, Zero figure 4
- Mark figure 2 normally, annotate an "insertion" in the remarks section of figure 3 and Zero figure 3, mark figure 4 normally

20. A competitor experiences a mechanical defect during figure 6, lands and after repairs, is given a repetition flight. The competitor starts the repetition flight correctly but omits the rolls in figure 5 (shown below) and gain an unfair advantage: What is the penalty, if any?



- The Chief Judge must apply an interruption penalty
- The previous mark for figure 5 must be reduced to a Zero
- No penalty



2009 Judges Home Study Course Refresher Answer Sheet

To be used only by those that have already completed the Judges Home Study Course

As you complete the exam, please record your answers on this sheet by checking the appropriate letter for each question. Space is also provided for you to include the reference from the AAC Rules & Regulations to support your answer. Send only the completed answer sheet (not the Exam booklet) to:

E-mail:
jhsc@aerobaticsaustralia.com.au

Snail Mail:
Attention: Laura Hart
PO Box 141
Sunnybank Qld 4109

NAME:	MEMBER NO:	DATE:
ADDRESS LINE 1		
ADDRESS LINE 2		
CITY/TOWN	STATE	POSTCODE

Q#	REFERENCE	A	B	C	D
01		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
02		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
03		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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06 A		<input type="checkbox"/>	<input type="checkbox"/>		
06B		<input type="checkbox"/>	<input type="checkbox"/>		
07		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Examiners Signature:	Score:	PASS / FAIL	Date:
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