

Scottish Qualifications Authority

Dangerous Goods Safety Adviser Examination

Examination Question Booklet



Core

Exam Date
0930 - 1045

Candidate Number

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Please tick the text that you will be referencing

ADR	
RID	
ADN	

Date of Birth

DD	/	MM	/	YYYY
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Seat Number

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Examination Centre

Centre No. Centre Name

C	
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Notes

- 1 You are required to complete the section above in BLOCK CAPITALS.
- 2 You must enter your seat number in the box provided.
- 3 You must not detach any sheets from the examination booklet.
- 4 Do not write anything below this line.

For Markers' use only

Marks awarded

1	2	3	4	5	6	7	8	9	10	Total marks

Marker's initials	
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Principal Marker's initials	
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Instructions to candidates

It is recommended that you read through the paper before answering any questions.

Candidates are only required to record references to the 2009 'Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations (CDG2009)' where one has been specifically asked for in a reference box within the examination paper.

Questions may be answered in any order and it is recommended that you answer those questions you consider to be the more straightforward questions first.

You need to gain 32 marks to pass this paper.

Answers to questions must be given in the space provided beside each question.

In your answers, use the permitted abbreviations for reference documents contained in the handout.

All answers **must** be in **Black or Blue ink only**.

Any papers written in **Pencil will not be marked**.

If you need extra space, write 'continued' and finish your answer in the space provided at the end of this booklet. Make sure you mark any continuation with the question number.

Rough work, not intended to be read by the marker, should be scored out.

No part of this booklet is to be torn out. No writing is allowed on any other paper.

No unauthorised material may be brought into the examination room.

No talking or other means of communication between candidates is allowed during the examination. Any candidate found to be doing so will be subject to instant dismissal from the examination room. All queries should be directed to an invigilator.

You may not leave the examination room during the first 30 minutes or last 15 minutes of the examination, unless you are ill. In this case, let an invigilator know and s/he will make sure the correct procedure is followed.

You must hand your booklet to an invigilator before leaving. **Booklets must not be removed from the examination room under any circumstances.**

Answer ALL questions

NOTES

When you use a reference document to find your answer, you must include the following information:

For RID, ADR or ADN - the relevant part, chapter, section, sub-section e.g. 5.4.1.2.3.2 and, where applicable, packing instruction number e.g. 4.1.4.1 P001

For CDG2009 (as amended) - the relevant regulation, schedule, paragraph and subparagraph, e.g. CDG2009 Regulation 5, Schedule 1 and, where applicable, DG EAC List or ADTP

Marks may be lost if relevant detail is omitted.

Give your answer in the space provided below each question.

Remember to include details of your references in the box provided.

- 1 Complete the following information table: (4 marks)

UN No	Proper Shipping Name	Class	Packing Group(s)
	Allyl Iodide		
UN1583			
	Xenon		Not applicable
UN1402			

Note: No reference is required for this question

Remember to include details of your references in the box provided.

- 2 Your Company has produced a new cleaning agent for your European market. The product is a free-flowing liquid which has the following properties: flashpoint 32°C, boiling point 90°C. It has an LD₅₀ (oral) of 75mg/kg. (6 marks)

(i) Determine the Class and Packing Group for this material

(ii) What would be an appropriate Proper Shipping Name for this new product?

Reference	
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- 3 The following is an extract from a UN packaging specification mark:

31A / Y / **04 11** / D / Schmidt1945 / **4500** / **1250**

Explain the meaning of the elements highlighted in **bold** type. (6 marks)

31A	
Y	
04 11	
4500	
1250	

Reference	
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Remember to include details of your references in the box provided.

4 Your company is planning to transport 12 plastics drums, each containing 200 litres of UN2359, from its site in Germany to a customer in France.

(a) State how the individual drums must be marked and labelled for carriage. **(4 marks)**

Reference	
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(b) You decide to ship the drums, four drums to a pallet, secured by a dark grey opaque shrink-wrapping. What marks and/or labels are required on the shrink-wrapping? **(4 marks)**

Reference	
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Remember to include details of your references in the box provided.

5 According to RID/ADR/ADN, who is responsible for ensuring that:

(a) Dangerous goods have been correctly classified for transport? **(2 marks)**

Reference	
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(b) No dangerous residues of a hazardous substance adhere to the outside of a portable tank? **(2 marks)**

Reference	
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6 Waste Thiophene is to be transported in 20 x 50 litre drums between France and Italy. How must this consignment be described on the Transport Document? **(4 marks)**

Reference	
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Remember to include details of your references in the box provided.

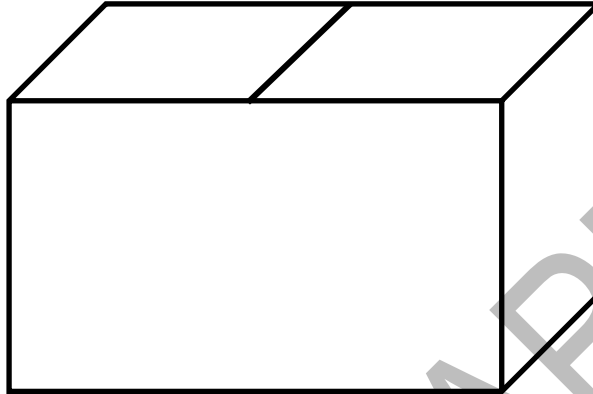
7

A fibreboard box containing 5 x 1 litre plastic bottles of UN2244 (a liquid) is being consigned from Germany to the Netherlands. The package (6kg gross) is not UN design type tested and approved.

(a)

Show the mark(s) and/or label(s) which must appear on the box to identify the consignment for this journey. Explain how you reached your answer.

(4 marks)



Reference	
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Remember to include details of your references in the box provided.

8 Under RID/ADR/ADN, what marks and labels must be shown on each of the following packages?

- (a) a fibreboard box containing 6 x 5 litre plastic bottles of methanol (a liquid). **(4 marks)**

Reference	
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- (b) a 210 litre drum of UN1268 (PGII), an environmentally hazardous liquid material. **(4 marks)**

Reference	
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9 How are 'high consequence dangerous goods' defined? **(3 marks)**

Reference	
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Remember to include details of your references in the box provided.

10

A DGSA is required to monitor certain activities of a business involved in the carriage of dangerous goods. List 2 such activities.

(3 marks)

Reference	
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(50 marks)

[END OF QUESTION PAPER]

SAMPLE PAPER

CONTINUATION SHEET

This page may be used if further space is required for your answers.

Remember to clearly mark each question number and include details of your references.

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