



SCOTTISH QUALIFICATIONS AUTHORITY

DANGEROUS GOODS SAFETY ADVISER EXAMINATION

EXAMINATION BOOKLET – ALL CLASSES

.....
Candidate's signature

SAMPLE PAPER
1115 - 1300

Candidate's Name
Surname Forename(s)

Date of Birth /

Examination Centre

Seat no:

NOTES

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

For Markers' use only

Marks Awarded

1	2	3	4	5	6	7	8	Total Marks

Marker's initials

Principal Marker's initials

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)” as amended, 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, the permitted abbreviations for reference documents are contained in the handout.

All answers **must** be in ink.

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

Marks

Notes: When you use a reference document to find your answer, you must include the following information – the document title and, as appropriate, the relevant regulation, schedule, paragraph and sub-paragraph e.g. CDG2009 Regulation 29, Schedule 3 or part, chapter and section e.g. ADR or RID 1.1.2. 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 or, where there is no box, include references as part of your answer.

- 1** Batablock is a new free-flowing liquid drain cleaner with the following properties:

It has a boiling point of 32⁰C and a flashpoint of -9⁰C;
It causes of full thickness destruction of intact skin tissue in 30 minutes after 2 minutes exposure;

Using RID/ADR state:

- (a) the class which takes precedence. Show how you arrived at the decision.

(5)

Reference	
------------------	--

- (b) the packing group for this liquid .

(2)

Reference	
------------------	--

- (c) the UN number and proper shipping name, as they must be shown on a transport document.

(4)

Reference	
------------------	--

Remember to include details of your references in the box provided or, where there is no box, include references as part of your answer

Marks

- 2 Your transport company is to collect a pallet of UN2623, PGIII, from a consignor in Plymouth and take it to Aberdeen.

On the pallet there are 100 non-UN specification packages, each containing 12 x 400g cartons. The pallet is stretch-wrapped in black plastic. What marks and/or labels must be shown:

(a) on each package?

(b) on the stretch-wrap?

(5)

Reference	
------------------	--

- 3 State the class and, where applicable, the packing group, for the following substances:

(i) a substance with a vapour pressure of 320 kPa at 50°C

(2)

Reference	
------------------	--

(ii) a powder with an LD₅₀ (dermal) of 50 mg/kg

(2)

Reference	
------------------	--

(iii) a substance known to contain pathogens capable of causing disease in humans

(2)

Reference	
------------------	--

Remember to include details of your references in the box provided or, where there is no box, include references as part of your answer

Marks

- 4 (i) Using RID/ADR describe the marks and labels which must be applied to a fibreboard box containing 4 x 3L bottles of nitroglycerin solution in alcohol, with not more than 1% nitroglycerin.

(4)

Reference	
------------------	--

- (ii) What particular requirement applies to the construction of packagings used for this substance?

(2)

Reference	
------------------	--

- 5 (a) State the packing instruction for UN0082 and explain when inner packagings are **not** required for this substance.

(3)

Reference	
------------------	--

- (b) State the marks and labels which must be applied to a package containing this substance.

(5)

Reference	
------------------	--

Remember to include details of your references in the box provided or, where there is no box, include references as part of your answer

Marks _____

(3) _____

(4) _____

(4) _____

(3) _____

6 A consignment of dimethyldichlorosilane has to be sent in a portable tank from Liverpool to Southampton.

(a) Your tank supplier offers you a T9 or a T14 tank. State which one is acceptable, **giving reasons** for your answer.

Reference	
------------------	--

(b) Explain the special tank provisions for this substance.

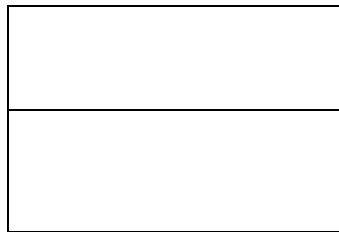
Reference	
------------------	--

7 20 steel drums each containing 200 litres of UN1202 are being transported from Hull to Swansea. State the description of the goods which must appear in the transport document.

Reference	
------------------	--

8 A portable tank loaded with neon, refrigerated liquid, is to be transported from Seville to Rotterdam.

On the diagram shown below, identify the information which must be displayed for this load on the orange-coloured plates fitted to the tank.



Reference	
------------------	--

