

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 at least 32 marks to pass this paper.

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

In your answers, use the permitted abbreviations for reference documents 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.**

Please note that this is a sample paper only. Questions and answers maybe incomplete.

Answer ALL questions.

Marks

Note: 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. CDGRR 04 Regulation 5, Schedule 1 or part, chapter and section e.g. ADR 1.1.1.2. Marks may be lost if relevant detail is omitted.

Give your answers in the space provided below each question.

Remember to include details of your reference,

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

a boiling point of 32 °C and a flashpoint of -9 °C
production of full thickness destruction of skin tissue in 30 minutes after 2 minutes exposure.

Using RID/ADR state:

(a) which of the above properties takes precedence (show how you arrived at the decision) (4)

Boiling point + flashpoint = flammable liquid (3)
Boiling point < 35°C therefore PG I
Visible skin destruction = corrosive (8)
and criteria = PG I
3 PG I & 8 PG I look up precedence table 2.1.3.10.

Answer: Flammability takes precedence

Reference	ADR: 2.2.3.1.3, 2.2.8.1.5. and 2.1.3.10.
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(b) the packing group that takes precedence (2)

Answer: PG I

Reference	ADR: 2.1.3.10.
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(c) the proper shipping name, class and UN number as it should be shown on a transport document (4)

Answer Flammable liquid, corrosive N.O.S (contains XXXXXX)
Class 3
UN2924

Reference	ADR: either Table B or 2.2.3.3, SP274, 3.1.2.8
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Remember to include details of your references in the box provided or, where there is no box, include reference as part of your answer.

- 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 are 100 packages and each package consists of 12 x 400g boxes. The pallet is stretch wrapped in black plastic. What marks and/or labels must be shown. (4)
- (a) on the packages;
- (b) on the pallet?

Reference	
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- 3 Using RID/ADR, state the marks and labels on a package for **each** of the following substances:
- (a) UN1913; (2)
- (b) self-heating liquid inorganic n.o.s; (3)
- (c) an organic peroxide—dibenzoyl peroxide with a concentration of 77-94%; (3)
- (d) UN2683 metal inner packagings inside a fibreboard box. (4)
- 4 Using RID/ADR describe the marks and labels that would be applied to a fibreboard box containing plastic bottles each containing 5 litres of nitroglycerin solution in alcohol with not more than 1% nitroglycerin. Comment on the packaging and its suitability. (You are not required to describe a UN packaging mark) (5)

Reference	
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Marks

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

Marks

- 5 (a) State how you identify the packing method which is applicable to UN0082 and explain the circumstances when inner packaging is not required for this substance. (4)

Reference	
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- (b) State the marks and labels which must be applied to such a package. (3)

Reference	
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- 6 Dimethyldichlorosilane has to be sent in a UN portable tank from Liverpool to Southampton.

- (a) Your tank supplier offers you a T4 or a T9. State, giving reasons for your answer, which one is acceptable. (2)

- (b) Explain the special tank provisions for this substance. (2)

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

Marks

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

(4)

Reference	
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- 8 List 2 duties of a consignor.

(3)

Reference	
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(END OF QUESTION PAPER)

CONTINUATION SHEET

Remember to show the question number beside each answer.