



Professional Qualification in SHIPPING & LOGISTICS

Level 4 Diploma

UNIT 4 – THE MOVEMENT OF DANGEROUS GOODS

Question 1

- (a) **Identify FOUR** areas of advice contained in the International Movement of Dangerous Goods (IMDG) Code. (4 marks)
- (b) Referring to your answer to Question 1a, **describe** how **TWO** of these areas of advice enhance ship safety. (6 marks)
- (c) **Discuss** why it is necessary to update the IMDG code every two years. (10 marks)

Question 2

Discuss a ship's documents and the information contained within that are available to a chief officer, to enable them to correctly stow packaged dangerous goods in the correct holds within a ship. (20 marks)

Question 3

- (a) **State** why gases are carried and stored in a liquefied form. (4 marks)
- (b) Referring to your answer to Question 3a, **identify** the **THREE** methods that can be used to maintain liquefied gas as a liquid. (6 marks)
- (c) **Discuss** the dangers posed by a Liquefied Natural Gas (LNG) should a tanker experience an uncontrolled release of the LNG from a ship's tank. (10 marks)

Question 4

- (a) **Assess** the safety procedures that should be conducted by the ship's officers prior to the discharge of bulk chemicals from a chemical tanker to shore reception facilities. (10 marks)
- (b) **Discuss** the actions to be taken by the ship and shore staff should a small spill occur on deck during the discharge of chemicals. (10 marks)

Question 5

(a) **Illustrate** the use of the Transport Emergency Card (TREM Card) in the case of a road haulage truck overturning when it contained several types of packaged dangerous goods. Use examples to support your answer. (10 marks)

(b) **Assess** the benefits of a Dangerous Goods Note (DGN) to the personnel who have an interest in the consignment. (10 marks)

Past Paper