



Professional Qualification in SHIPPING & LOGISTICS Level 4 Diploma

UNIT 4 – THE MOVEMENT OF DANGEROUS GOODS

Question 1

Discuss how the International Maritime Dangerous Goods Code (IMDG Code) has made it possible to safely carry dangerous goods, in all its forms, by seagoing transport. (20 marks)

Question 2

Illustrate the considerations to be made by the ship's cargo officer (chief officer) when stowing several different classes of dangerous goods containers on board. Use examples to support your answer. (20 marks)

Question 3

(a) **Describe THREE** health hazards covered by the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code). (6 marks)

(b) Referring to your answer to Question 3a, **discuss** how the chemical cargo discharge procedures have evolved around these health hazards. (14 marks)

Question 4

(a) **Assess** the immediate procedure for the ships master to follow should a spill of dangerous liquid chemicals occur at sea, as required by the Shipboard Marine Pollution Emergency Plan (SMPEP). (10 marks)

(b) **Suggest** the procedure to be followed for a close inspection of a chemical storage and pumping facility. (10 marks)

Question 5

(a) **Discuss** the type of information that must be in the transport documents when dangerous goods are being moved by road transport prior to being loaded on a ship; as required by the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). (10 marks)

(b) **Illustrate** how the information provided by the International Transport Emergency Card (TREM Card) could be used in emergency situations. Use examples to support your answer. (10 marks)