



Professional Qualification in SHIPPING & LOGISTICS Level 4 Diploma

UNIT 4 – THE MOVEMENT OF DANGEROUS GOODS

Question 1

- (a) State the objective of the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78). (4 marks)
- (b) Differentiate between **TWO** of the six annexes of MARPOL 73/78. (6 marks)
- (c) Discuss **TWO** topic areas covered by MARPOL Annex 1. (10 marks)

Question 2

- (a) Discuss how the cargo officer on board a container vessel decides where the dangerous goods in several containers loaded on board may be stowed. (10 marks)
- (b) Differentiate between the methods of transporting dangerous packaged goods on board a container ship with a Roll-on/Roll-off (Ro-Ro) vessel. (10 marks)

Question 3

Illustrate the procedures to be followed, as per the ship oil pollution emergency plan (SOPEP), should a spill of volatile oil cargo occur while loading a tanker in port. Use a diagram to support your answer. (20 marks)

Question 4

- (a) Assess **FOUR** possible consequences of the incorrect stowage of several types of dangerous liquid chemicals while bulk loading a chemical tanker. (8 marks)
- (b) Discuss **FOUR** areas of concern that should be inspected on the ship, prior to loading a chemical tanker, to minimise the risk of an accident occurring. (12 marks)

Question 5

Illustrate the use of **TWO** types of dangerous goods documentation, which would be of vital use in the event of an accident involving a road vehicle carrying various types of packaged dangerous goods overturning on a main road. Use examples to support your answer. (20 marks)