



## Professional Qualification in SHIPPING & LOGISTICS Level 4 Diploma

### UNIT 4 – THE MOVEMENT OF DANGEROUS GOODS

#### Question 1

- (a) **Explain** the purpose of the United Nations (UN) Classification Number regarding the movement of dangerous goods. (4 marks)
- (b) **Compare** the use and purpose of the Dangerous Goods (DG) note with the ship's Document of Compliance (DOC). (16 marks)

#### Question 2

- (a) **State TWO** methods used to carry dangerous goods by sea. (4 marks)
- (b) **Describe TWO** operational areas of importance in the safe storage of packaged dangerous cargo on board a ship. (6 marks)
- (c) **Discuss TWO** topic areas contained in the IMDG code that have enhanced the safe carriage of dangerous goods at sea. (10 marks)

#### Question 3

- (a) **Discuss FIVE** operational safety procedures that should be practiced while discharging dangerous liquid chemicals in bulk from a class 2 chemical tanker to the shore tanks. (10 marks)
- (b) **Explain** how the Emergency Schedule (EMS) would be used should a small leak occur on the ship's deck. (10 marks)

#### Question 4

**Illustrate** the operational procedures to be followed as required by MARPOL 73/78 should a major chemical spill occur from a chemical tanker while loading in port. Use examples to support your answer. (20 marks)

#### Question 5

- (a) **Explain** the purpose of dangerous goods labels and placards on road vehicles. (10 marks)
- (b) **Discuss** how the Transport Emergency Card (TREMcard) would be used in an emergency situation when different types of dangerous goods are being carried on the same vehicle. (10 marks)