INTERNATIONAL DIPLOMA IN LOGISTICS AND TRANSPORT

MOVEMENT OF GOODS
DIPO6

NOVEMBER EXAMINATION 2024

Instructions to Candidates

- Duration of examination: **3 HOURS**
- **Answer Question 1 (Compulsory) in Section A and 3 Questions in Section B**
- Questions may be answered in any order.
- Allocation of marks is indicated along each question.
- Credit will be given for citing relevant examples.
- Write legibly.

SECTION A (Compulsory)

QUESTION 1

Global Freight Solutions (GFS) is a multinational logistics provider specializing in the transportation of goods across various sectors, including retail, manufacturing, and healthcare. GFS operates a global network of transportation hubs with a strong focus on reducing costs while improving efficiency. The company has recently encountered challenges in optimizing its transportation of goods, particularly regarding rising fuel costs, complex

international regulations, and the integration of new technologies like telematics and route optimization software. GFS's key clients have also raised concerns about delays in shipments, particularly in regions with inadequate transport infrastructure. To address these concerns, GFS has introduced several initiatives, including:

- Introduction of an automated route optimization system to reduce delays and improve delivery accuracy.
- Investment in eco-friendly vehicles to reduce fuel costs and emissions.
- Training programs for employees to comply with international transport regulations and improve service quality.

The company's management is now considering whether these solutions are sufficient or if further strategic adjustments are needed to stay competitive in the global market.

a) Evaluate the impact of the initiatives introduced by GFS to optimize the movement of goods on its operational performance. **(20 marks)**

b) Examine any **three (3)** challenges GFS may face in maintaining efficient movement of goods across regions with poor transport infrastructure and complex regulations. **(10 marks)**

c) Discuss how advancements in technology can further enhance GFS's logistics operations. **(10 marks)**

SECTION B

Answer any three questions

Question 2

Discuss how blockchain technology has transformed the movement of goods in supply chains. **(20 marks)**

Question 3

Examine **four (4)** factors that influence the choice of transportation modes for the movement of goods. **(20 marks)**

Question 4

Analyze the impact of global transportation regulations and compliance requirements on the movement of goods across international borders.

(20 marks)

Question 5

Discuss the role of risk management strategies in enhancing resilience and security in global logistics. **(20 marks)**