



**The Chartered  
Institute of Logistics  
and Transport**

## **INTERNATIONAL CERTIFICATE IN LOGISTICS AND TRANSPORT**

### **GREEN LOGISTICS**

**09-L3**

**November 2023**

#### **Note to Candidates**

Candidates are advised to spend NOT more than 60 minutes in Section A and not more than 40 minutes on each question in Section B.

#### **Instructions to Candidates**

- Duration of examination: **2.30 hours**
  - **Answer ALL Questions in Section A and any THREE 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
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### **SECTION A**

#### **Case study (Compulsory)**

**(40 marks)**

Masvingo Bottling Company (MBC) delivers soda to vending machines throughout the Masvingo region. The Company takes pride in the fact that all the beverages are sold in returnable bottles. The CEO of Masvingo Bottling Company feels it is his civic duty to help decrease the roadside trash that is often attributable to disposable beverage cans. The returned empty bottles are stored on the roof of the truck when the driver is making his deliveries. Upon returning to the warehouse after deliveries are made, a helper passes the empty cases from the roof of the truck to the driver standing on the ground. The driver then places the cases onto a conveyor.

- a) Do you agree with the approach that Masvingo Bottling Company (MBC) is green logistics driven? Support your answer with. **(5 marks)**
- b) List and explain advantages and disadvantages of using returnable bottles. **(15 marks)**
- c) How can the handling of empty cases from the roof of the truck be handled in a more economical and safe manner. **(5 marks)**

d) State and explain FIVE possible measures to manage environmental pollution caused by disposable beverage cans. **(10 marks)**

e) With examples, distinguish returnable and recyclable. **(5 marks)**

## **SECTION B**

**Answer any THREE questions (60 marks)**

### **Question 1**

Identify and explain how FIVE modes of transport impact the environment. **(20 marks)**

### **Question 2**

Outline major barriers hindering green logistics implementation in Africa. **(20 marks)**

### **Question 3**

Discuss whether businesses should continue to manufacture products from the factory that pollutes the local environment. **(20 marks)**

### **Question 4**

Define the following terms.

- a) Reverse Logistics **(4 marks)**
- b) Fuel consumption **(4 marks)**
- c) Green logistics **(4 marks)**
- d) Benchmarking **(4 marks)**
- e) Unitisation **(4 marks)**