



**REFORMED CHURCH UNIVERSITY**

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**FACULTY OF COMMERCE**  
**BACHELOR OF COMMERCE HONOURS DEGREE IN LOGISTICS**  
**AND SUPPLY CHAIN MANAGEMENT**

**SUSTAINABLE LOGISTICS**

**HLSM 408**

**PART 4 SEMESTER 2 EXAMINATION**

**TOTAL MARKS [100]**

**DATE: DECEMBER 2022**

**TIME: 3 HOURS**

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**INSTRUCTIONS**

1. This paper has *six (6)* questions
2. Answer question *one (1)* and *any* other **three (3)**
3. Each question carries **25 marks**
4. Start each question on a new page

1. Read the passage below and answer the questions which follow

Logistics is the implication which is widely used to illustrate the transport, storage and handling of products when they move from raw materials via the production system to the final point of sale or consumption. However, due to the public and governmental concerns about the environment, companies must overcome those pressures by reducing the environmental impacts during the logistics operations (McKinnon 2010). The example of company which would be suitable for the sustainable logistics discussion is the logistics service provider named as DB Schenker. There are various reasons of why this company is chosen for the discussion. The first reason is how DB Schenker deals with the environment. In other words, what methods the company applies to avoid the environmental risks. The second reason is what DB Schenker does to manage its inventory, and what replenishment goals it has. The third reason is what the company does to satisfy its customer needs and wants. The final reason is that what DB Schenker does or what the company is going to do about its economic sustainability.

- a) Define sustainable logistics. (2)
- b) Motivate three reasons why DB Schenker was chosen to discuss sustainable logistics (13)
- c) Suggest any Five strategies of sustainable logistics, give relevant examples of an organisation of your choice (10)
2. Discuss the impact of green logistics for a country of your choice. (25)
3. Explain how speed limits protect the environment as a form of safety legislation. (25)
4. Discuss the relevance of design – in particular of eco-design – for the green supply chain. (25)
5. Discuss sustainable logistics in environment, social and economics aspect, with reference to any country of your choice in Africa. (25)
6. Explain the following common problems in sustainability:
- (a) Spillages (5)
  - (b) Noise Pollution (5)
  - (c) Air Pollution (5)
  - (d) Recycling (5)
  - (e) Disposal of waste (5)

***End of Paper***