

**UNIVERSITY OF BOLTON**

**INSTITUTE OF MANAGEMENT**

**MSC LOGISTICS AND SUPPLY CHAIN  
MANAGEMENT**

**SEMESTER 1 EXAMINATION 2022/2023**

**SUSTAINABILITY IN BUSINESS OPERATIONS**

**MODULE NO. SCM7007**

Date: Wednesday 11 January 2023

Time: 10.00 – 1.00

---

**INSTRUCTIONS TO CANDIDATES:**

There are six (6) questions on this paper.

Answer four (4) questions.

All questions carry equal marks.

---

PAST EXAMINATION

University of Bolton  
MSc Logistics and Supply Chain Management  
Semester 1 Examination 2022/2023  
Sustainability in Business Operations  
Module No. SCM7007

**Question 1:**

Critically analyse how an organisation of your choice can reduce its costs of operations while enhancing innovation by implementing the concept of sustainable supply chain.

**(Total 25 Marks)**

**Question 2:**

Critically evaluate the potential limitations of Triple Bottom Line (TBL) accounting, which expands traditional reporting to include social and environmental performance in addition to financial performance. This concept has some limitations, even though it appears to be useful for managing the performance of a sustainable supply chain. Provide appropriate examples to support your answers.

**(Total 25 Marks)**

**Question 3:**

As a means of categorizing and explaining sustainable business model innovations, sustainable business model archetypes are presented. They provide mechanisms to enable innovation in embedding sustainability into business models, and they serve as exemplars to help businesses de-risk the process of developing sustainable business models. Among the archetypes is "Substitute with renewables and natural processes".

Critically analyse this particular sustainable business model archetype using an organisation of your choice. You should pay attention to the concepts of "value proposition", "value creation and delivery", and "value capture" in your answer.

**(Total 25 Marks)**

**Please turn the page**

University of Bolton  
MSc Logistics and Supply Chain Management  
Semester 1 Examination 2022/2023  
Sustainability in Business Operations  
Module No. SCM7007

**Question 4:**

In order to make money from waste in retailing, an organisation can adopt three concepts: prevention, recovery, and recycling. Analyse how the concepts of "prevention" and "recovery" can be applied to sustainable supply chains in retail by an organisation of your choice.

**(Total 25 Marks)**

**Question 5:**

As a context for discussion, critically evaluate five strategies for reverse logistics in an organization of your choice.

**(Total 25 Marks)**

**Question 6:**

Critically examine the factors that may motivate the implementation of green supply chain management (GSCM). Make sure you evaluate both the internal and external aspects of these drivers in your response. Include appropriate examples in your answer.

**(Total 25 Marks)**

**END OF QUESTIONS**