



**STRATHMORE BUSINESS SCHOOL**  
**BACHELOR OF SCIENCE IN SUPPLY CHAIN AND OPERATIONS MANAGEMENT**  
**SPECIAL EXAMINATION**  
**SCM 1204: SUSTAINABLE SUPPLY CHAIN ENGINEERING AND REVERSE**  
**LOGISTICS**

**DATE:** Fri, 26<sup>th</sup> April 2024

**TIME:** 10:30 – 12:30

---

**Instructions**

Question one is compulsory

Answer any other two questions

**QUESTION ONE (30 MARKS)**

1. Discuss using practical examples on the implications of advanced manufacturing to any **FIVE** planetary boundaries. **(10 Marks)**
2. Using a practical example, develop a business case for sustainability. **(10 Marks)**
3. Kenya is upstarting the Extended Producer Responsibility Regulations; as an appointed producer responsibility organization for plastic packaging, outline the **FIVE** main components of an EPR plan to members under your scheme. **(10 Marks)**

**QUESTION TWO (15 MARKS)**

You have been consulted as a sustainability expert to assist a company struggling to embed sustainability into its purchasing decisions. Discuss any **FIVE** sustainable purchasing practices to adopt for the company.

**QUESTION THREE (15 MARKS)**

Evaluate any **FIVE** recent developments in the area of sustainable supply chain engineering and reverse logistics.

**QUESTION FOUR****(15 MARKS)**

Using **FIVE** points, discuss the implications of SDG 12; Responsible Consumption and Production to supply chain management.

**QUESTION FIVE****(15 MARKS)**

Outline any **FIVE** sustainability cultural practices aligned to the community where you come from that can be adopted to help supply chains be sustainable.