



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

DATE: Wed, 17th April 2024

TIME: 15:30 – 17:30

Instructions

Question one is compulsory

Answer any other two questions

QUESTION ONE (30 MARKS)

- a) Using examples, discuss any **Four** planetary boundaries. **(8 Marks)**
- b) Define sustainable supply chain management. **(1 mark)**
- c) Define reverse logistics. **(1 Mark)**
- d) Using a practical example, develop a business case for sustainability. **(10 Marks)**
- e) Determine any **five** R strategies of reverse logistics. **(5 Marks)**
- f) Outline any **five** elements of an EPR plan. **(5 Marks)**

QUESTION TWO (15 MARKS)

Discuss any **FIVE** sustainable procurement strategies.

QUESTION THREE (15 MARKS)

Demonstrate on any **FIVE** emergent ecologies and their implications to supply chain management.

QUESTION FOUR (15 MARKS)

Explain on any **FIVE** SDGs and their implication to supply chain management.

QUESTION FIVE

(15 MARKS)

Argue your case using **FIVE** points on the convergences and divergences between industry 4.0 and sustainability. Give your stance.