



STRATHMORE BUSINESS SCHOOL
BACHELOR OF SCIENCE IN SUPPLY CHAIN AND OPERATIONS
MANAGEMENT
END OF SEMESTER EXAMINATION
SCM 4202: SUSTAINABLE SUPPLY CHAIN ENGINEERING AND REVERSE
LOGISTICS

DATE: Monday, 2nd December 2024

TIME: 08:00 – 10:00

Instructions

- Question **one** is compulsory
- Answer any **other two** questions

QUESTION ONE (30 MARKS)

- a) Explain any **FIVE** planetary boundaries. **(10 Marks)**
- b) Using a practical example, evaluate any **FOUR** capabilities for sustainable procurement. **(4 Marks)**
- c) You have been employed as a factory manager, and one of the assignments is to let the board know which best sustainability practices can be used in manufacturing. Analyze any **FIVE** of those practices. **(10 Marks)**
- d) Discuss any **THREE** ways to promote sustainable transportation. **(6 Marks)**

QUESTION TWO (15 MARKS)

Evaluate any **FIVE** circular economy business models for businesses.

QUESTION THREE (15 MARKS)

Analyze **FIVE** emerging issues in sustainable supply chain management.

QUESTION FOUR (15 MARKS)

You have been called as a sustainable supply chain consultant to help a certain company transition to sustainability. Explain **THREE** critical strategies from a green growth perspective for this transition.

QUESTION FIVE

(15 MARKS)

You are a producer in the Kenyan market, and you are required to submit an extended producer responsibility plan (EPR). Develop an EPR plan using any **FIVE** elements.