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University Examinations 2023/2024

FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE

SEG 5101: ENVIRONMENTAL AND SUSTAINABLE DEVELOPMENT

DATE: DECEMBER 2023

TIME: 3 HOURS

INSTRUCTIONS: *Answer question **one** and any other **two** questions*

QUESTION ONE (20 MARKS)

- a) Explain five core principles and common themes of ecosystem management (5 marks)
- b) Describe how agriculture has contributed to unsustainable development in Kenya
(5 marks)
- c) Explain five principles to be considered in the design of sustainable cities (5 marks)
- d) Describe the relevance of intra intergenerational equity in sustainable development
(5 marks)

QUESTION TWO (20 MARKS)

Explain the main stages in the evolution of sustainable development theory (20 marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

QUESTION THREE (20 MARKS)

Discuss the environmental impacts of energy production technologies at global and national levels (20 marks)

QUESTION FOUR (20 MARKS)

Discuss the aspirations, successes and challenges of implementing agenda 21 (20 marks)



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