



MACHAKOS UNIVERSITY

University Examinations For 2021/2022 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

MASTER OF ENVIRONMENT AND COMMUNITY DEVELOPMENT

MASTER OF ENVIRONMENTAL SCIENCE

ESU 801: ADVANCED ENVIRONMENTAL ASSESSMENT

DATE: 16/12/2021

TIME: 8.30-11.30 AM

INSTRUCTIONS:

*Answer question **ONE** and any other **THREE** questions. Each question carries the same marks. Use appropriate illustrations where necessary.*

QUESTION ONE (15 MARKS)

- a) Briefly discuss the limitations of the Strategic Environmental Assessment (SEA) tool in appraising policies, plans and programmes. (6 marks)
- b) Discuss the challenges affecting the application of the Environmental Impact Assessment (EIA) tool in assessing the viability of proposed projects. (9 marks)

QUESTION TWO (15 MARKS)

Discuss the mechanism of managing adverse environmental impacts associated with a proposed project in a specific site in Kenya.

QUESTION THREE (15 MARKS)

Using a specific illustration, discuss the role of Multilateral Environmental Agreements in environmental assessment.

QUESTION FOUR (15 MARKS)

Discuss any five practical strategies you would institute to promote the application of the Social Impact Assessment (SIA) tool for large development projects in Kenya.

QUESTION FIVE (15 MARKS)

Discuss the role of stakeholder participation in the environmental assessment process and indicate how to ensure effective participation of stakeholders in the process.

QUESTION SIX (15 MARKS)

Discuss the regulatory framework for environmental assessment process in Kenya.