



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

THIRD YEARSEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

BACHELOR OF ENVIRONMENTAL SCIENCES

ESU 300: ENVIRONMENTAL IMPACT ASSESSMENT AND AUDIT

DATE:

TIME:

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- Discuss the importance of Environmental Audit (EA) in environmental management (10 marks)
- Highlight five principles of the Environmental Impact Assessment (EIA) process (10 marks)
- Explain why it is necessary to undertake a comprehensive stakeholder participation process during environmental assessment of proposed projects (10 marks)

QUESTION TWO (20 MARKS)

Using an illustration, discuss any four challenges affecting the application of the Strategic Environmental Assessment (SEA) tool in environmental assessment in Kenya and indicate ways to deal with the challenges

QUESTION THREE (20 MARKS)

You have recently been appointed to advise the Governor of your County on how to manage the environment in the County. Discuss how you would perform your duties on the basis of existing regulatory frameworks in the County

QUESTION FOUR (20 MARKS)

Using an illustration, explain the mechanism you will use to manage the adverse impacts arising from a **named** proposed development project in your County

QUESTION FIVE (20 MARKS)

Discuss the key factors used by Kenya's National Environment Management Authority (NEMA) to decide on the viability of a proposed project based on the submitted EIA Report