



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN COMMUNITY HEALTH

MPH/19J/YEAR 1/ SEMESTER 2

AES 5101: ENVIRONMENTAL IMPACT ASSESSMENT AND AUDIT

END OF SEMESTER EXAMINATION

SERIES: APRIL 2019

TIME: 3 HOURS

Instructions to Candidates

This paper consists of SIX questions

Answer question ONE (COMPULSORY) and any other THREE questions.

This paper consists of two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION ONE (30 MARKS)

- a) Briefly elaborate the following concepts as used in strategic environmental assessment:
- i. Baseline data (2marks)
 - ii. Ex post assessment (2marks)
 - iii. Policy (2marks)
 - iv. Plan (2marks)
 - v. Threshold (2marks)
- b) List five types of environmental auditing (5marks)
- c) Outline components of Terms of Reference document (5marks)
- d) What do you understand by the term Sustainable Development, explain its linkages with project development and implementation (5marks)
- e) State Five objectives of Environmental Impact Assessment (EIA) (5marks)

QUESTION TWO (30 MARKS)

- a) As a Public Health Officer of Mombasa County, apply the concept of mitigation hierarchy to describe measures that you would use to control impacts of wastes production (15 marks)
- b) EMCA Act of 1999 is an important legal framework for EIA, SEA AND EA in Kenya. Briefly describe its provisions that ensure environmental protection (15 marks)

QUESTION THREE (30 MARKS)

- a) Briefly explain the benefits of stakeholder participation in EIA projects (10 marks)
- b) Discuss appropriate methods for collecting public opinions in E.I.A projects (20 marks)

QUESTION FOUR (30 MARKS)

- a) Discuss the advantages of environmental auditing in public health sector (15marks)
- b) Discuss root causes of environmental issues in Kenya (15 marks)

QUESTION FIVE (30 MARKS)

- a) Trace the historical development of EIA process? (20 marks)
- b) Highlight misconception associated with EIA process (10 marks)

QUESTION SIX (30 MARKS)

Write short notes on the following:

- a) Ad hoc method (6 marks)
- b) Checklists (6 marks)
- c) Matrices (6 marks)
- d) Overlays (6 marks)
- e) Networks (6 marks)