

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN  
ECOTOURISM AND WILDLIFE ENTERPRISE MANAGEMENT**

**ENSC 405/359: ENVIRONMENTAL IMPACT ASSESSMENT**

**STREAMS: BECO Y4S1 & WIEM Y3S1**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 16/12/2024**

**8.30 A.M – 10.30 A.M.**

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**INSTRUCTIONS:**

- Answer all questions in SECTION A and any other two questions in SECTION B.
- Do not write anything on the question paper.

**SECTION A (30 MARKS)**

- 1) Explain the meaning of environmental impact assessment (EIA) and highlight its role in ensuring sustainable development. (5 marks)
- 2) a. What does the word screening imply in EIA? (1 mark)  
b. Outline four possible outcomes of the EIA screening process. (4 marks)
- 3) The elements of impact mitigation in EIA are organized into a hierarchy of actions. Explain. (6 marks)
- 4) Upon submission of the EIA report, decision making on the proposal is done. Highlight five major possible outcomes of the decision-making process. (5 marks)
- 5) Explain three remedial options available when an EIA report fails to meet the required standards. (6 marks)
- 6) What is the importance of an EIA terms of reference? (3 marks)

**SECTION B: 40 MARKS**

- 7) A project developer approaches you to conduct an EIA study of a proposed learning institution. Describe the process that you will follow explaining each step and its significance. (20 marks)

- 8) You are part of a team that is carrying out an EIA of a proposed quarry site in Tharaka Nithi County.
- a. Discuss four impact identification methods that you would use while carrying out the assignment. (12 marks)
  - b. Explain the factors that may constrain meaningful public involvement in the said environmental impact assessment process. (8 marks)
- 9) a. Describe the key phases of a comprehensive environmental audit. (12 marks)
- b. Explain four benefits of carrying out environmental impact assessments. (8 marks)
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