



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT

UNIVERSITY EXAMINATION FOR:
BACHELOR OF ARCHITECTURAL STUDIES/BACHELOR OF
ARCHITECTURE

**EAR 4502: ENVIRONMENTAL AUDIT AND IMPACT
ASSESSMENT**

END OF SEMESTER EXAMINATION

YEAR FIVE SEMESTER I

SERIES: AUGUST 2024

TIME: 2 HOURS

DATE: Pick Date AUGUST 2024

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

QUESTION ONE (30 MARKS)-COMPULSORY

- a) Using real life examples, distinguish between environmental impact and environmental effect. (5 marks)
- b) Describe the environmental criteria that can be used to assist the screening of a single dwelling project located in Mombasa. (10 marks)
- c) Using any **THREE** environmental resources, describe the method used to capture in quantifiable terms the existing environmental resources in a given spatial area. (12 marks)
- d) The EIA report review is a formal step in the EIA process. Explain any **TWO** types of EIA reviews. (6 marks)

QUESTION TWO (20 MARKS)

With the aid of a diagram explain the NEMA EIA report review and decision-making process. (20 marks)

QUESTION THREE (20 MARKS)

- a) The study of the impacts of a proposed project, plan/program on the environment is an Art and a Science. Explain. (8 marks)
- b) Using the case of an affordable housing project located in Kilifi near Arabuko Sokoke Forest, explain the use of EIA as a project management tool. (12 marks)

QUESTION FOUR (20 MARKS)

With the aid of a diagram discuss public involvement in the key stages of the EIA process. (20 marks)

QUESTION FIVE (20 MARKS)

Different methods of impact analysis may be applied depending on the nature of the proposed project and/or circumstance. Explain the points to consider in the selection of impact analysis methods. (20 marks)