



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**

SPECIAL/SUPPLEMENTARY EXAMINATION

YEAR FIVE SEMESTER I

SERIES: MARCH 2025

TIME: 2 HOURS

DATE: Pick Date MARCH 2025

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) Explain any **THREE** long term objectives of the study of the effects of a proposed project, plan or program on the environment. (6 marks)
- b) Describe the purpose of scoping in the preparation of an EIA report. (5 marks)
- c)) Explain any **FIVE** factors affecting the effectiveness of public involvement in the EIA process of proposed projects. (10 marks)
- d) Briefly analyse any **THREE** social impacts associated with mixed use development project. (9 marks)

QUESTION TWO (20 MARKS)

With the aid a sketch, briefly explain the process of EIA in Kenya. (20 marks)

QUESTION THREE (20 MARKS)

Monitoring is an important component of an EIA study. Explain any **FIVE** monitoring techniques to be employed in the design, construction of the proposed “Devki” Steel factory to be located in Kwale County. (20 marks)

QUESTION FOUR (20 MARKS)

A consultant has finalized preparing the EIA report for a proposed MUD in Watamu. With the aid of a sketch explain the remaining process up to when licenses and permits, are issued by regulatory agencies (NEMA). (20 marks)

QUESTION FIVE (20 MARKS)

Explain the key steps in carrying out Social Impact Assessment (SIA) of a large 5-star tourist hotel to be located in Garissa. This is in line with Vision 2030 that envisions Garissa as a tourist attraction destination. (20 marks)