



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY

Department of BUILDING & Civil engineering

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

EMC: PROFESSIONAL ETHICS AND HUMAN VALUES IN ENGINEERING

END OF SEMESTER EXAMINATION

SERIES: MARCH 2025

TIME: 2 HOURS

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions.

Answer **ANY FOUR** questions

Do not write on the question paper.

ANSWER ANY FOUR QUESTIONS

QUESTION ONE (30 MARKS)

- a) List any FOUR steps for promoting morally Just measures. **(4 marks)**
- b) Briefly differentiate between morality and ethics. **(10 marks)**
- c) Briefly explain the types of Values citing examples. **(10 marks)**
- d) Explain competitive bidding for consulting engineers. **(6 marks)**

QUESTION TWO (20 MARKS)

- a) Briefly explain the role of Values and Ethics in Organizations. **(6 marks)**
- b) Briefly explain what entails technology transfer. **(4 marks)**
- c) Briefly explain the engineers Obligations to the Society **(5 marks)**
- d) State FIVE professional obligations of an engineer. **(5 marks)**

QUESTION THREE (20 MARKS)



- a) Briefly explain relevance of Kohlberg's theory on moral judgement in the work place. **(10 marks)**
- b) Define any FIVE Moral values with suitable examples. **(10 marks)**

QUESTION FOUR (20 MARKS)

- a) Define work ethics. **(2 marks)**
- b) Briefly explain integrity and self-respect. **(4 marks)**
- c) Briefly explain service learning. **(4 marks)**
- d) Briefly Explain in detail about moral leadership relating to engineering. **(10 marks)**

QUESTION FIVE (20 MARKS)

- a) Explain the role of engineers as manager (10 marks)
- b) Briefly explain the leading factors of corporate social responsibility. **(10 marks)**