



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN ELECTRICAL & ELECTRONIC ENGINEERING

EEP2309: ESTIMATING, TENDERING & ENGINEERING SERVICES

END OF SEMESTER EXAMINATION

SERIES: JULY 2025

TIME: 2 HOURS

DATE: JULY 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 **ANY THREE Questions**

Do not write on the question paper.

Question ONE

- (a) Define word “contract” (2marks)
- (b) Explain any FOUR differences between void and voidable contract (8marks)
- (c) Discuss the **SEVEN** essential elements of a valid contract (14 marks)

Question TWO

- a) Explain the following types of tendering giving merits and demerits of each
 - (i) Sole bid
 - (ii) Selective tender (8marks)
- b) Explain the basic requirements for eligibility to tender for an advertised government contract (7marks)
- c) Outline the various electrician license classes required for a given electrical installation (5marks)

Question THREE

- a) Explain any FOUR distinctions between contract and tort (8marks)
- b) Name FOUR objectives of law of tort (6marks)
- c) Four general defences in tort (8marks)

Question FOUR

- (a) Discuss the purpose of law in society (4marks)
- (b) Explain the following natures of law giving an example of each
 - (i) Laws of physical sciences
 - (ii) Laws of social science
 - (iii) Moral laws
 - (iv) Laws of state(8marks)
- (c) Outline two points of distinction between:
 - (i) Civil and criminal law
 - (ii) Direct legislation and indirect legislation(8marks)

Question FIVE

- a) Explain the **FIVE** basic project development stages in project management (10marks)
- b) Explain how the following are used in planning and controlling projects:
 - (i) Bar Charts
 - (ii) PERT(6marks)
- c) Explain the following in network analysis of a project
 - (i) Critical Path Method
 - (ii) Crash duration(4marks)