



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT

UNIVERSITY EXAMINATION FOR:
DIPLOMA IN QUANTITY SURVEYING
EQS 2303: ESTIMATING & COSTING II

ORDINARY EXAMINATION

YEAR THREE SEMESTER I

SERIES: DEC2024

TIME: 2 HOURS

DATE: December, 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

The following is a reproduction of what was recorded in a Tender Opening Form during the tender opening for the proposed mixed-use residential development in Mikindani, Mombasa County for Signature Investments Ltd

Serial No.	Tenderer	Tender Sum (Kes/Cts)	Completion Time (weeks)	Ranking
1.	Faith Ventures Ltd	84,987,789.95	21	4
2.	Tumaini Builders Ltd	78,624,879.25	20	5
3.	Mulki Construction Ltd	79,324,978.75	23	2
4.	Teresia Construction Ltd	81,789,432.65	18	3
5.	Gloria Enterprises Ltd	58,234,879.45	17	1

Upon scrutiny, the tenderers serialized 1 and 5 above have arithmetical errors amounting to Kes.321,234.35 and Kes.154,345.75 respectively to their advantage; and the tenderers serialized 2, 3 and 4 have arithmetical errors amounting to Kes. 368,830.20, Kes. 386,803.79 and 245,578.15 to their disadvantage, respectively. All the tenderers indicated their guarantors. Given that the Quantity Surveyor's estimate was Kes. 85,432,789.55 and the estimated completion time was 19 weeks, evaluate the tenders and issue a tender evaluation report capturing all its salient features. (30marks)

QUESTION TWO (15 MARKS)

Explain the following phrases in the context of construction projects

- a) Dayworks (5 marks)
- b) Preambles (5 marks)
- c) Pro-rata pricing (5 marks)

QUESTION THREE (15 MARKS)

Tendering is a key process in the construction industry (and other industries) where organizations invite contractors, suppliers, or service providers to submit bids or proposals to carry out a specific project or supply certain goods or services. Explain the

- a) Objectives of tendering (3 marks)
- b) Types of tendering (5 marks)
- c) Key steps in the tendering process (5 marks)
- d) Advantages and challenges in tendering (2 marks)

QUESTION FOUR (15 MARKS)

Explain preliminary items and their pricing in the context of construction projects.

QUESTION FIVE (15 MARKS)

Construction cost data is collected from various reliable sources to provide accurate and up-to-date information about expenses related to labour, materials, equipment, and other project costs. Explain the key sources of construction cost data