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

SPECIAL/ SUPPLEMENTARY EXAMINATION

YEAR THREE SEMESTER I

SERIES: JUL2025

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 question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

QUESTION ONE (30 MARKS) - COMPULSORY

You graduated recently and secured employment with a very busy Quantity Surveying consultancy firm based in Mombasa County. On your first day in the office, you are handed a filled Tender Opening Form with the following recordings:

Serial No.	Tenderer	Tender Sum (Kes/Cts)	Completion Time (weeks)	Ranking
1.	Nzangi Ventures Ltd	96,750,570.95	42	1
2.	Maninga Builders Ltd	98,636,363.85	46	5
3.	Beggy Builders Ltd	97,528,825.35	50	2
4.	Steph Construction Ltd	98,321,867.55	48	4
5.	Katani Construction Ltd	98,123,678.45	46	3

Upon scrutiny, the tenderers serialized 1, 2 and 3 have arithmetical errors amounting to Kes.134,243.35, Kes. 146,234.45 and Kes.164,423.54 respectively to their advantage; and the tenderers serialized 4 and 5 have arithmetical errors amounting to Kes. 367,890.70 and 673,098.80 to their disadvantage, respectively. All the tenderers indicated their guarantors. Given that the Quantity Surveyor's estimate was Kes. 97,432,789.55 and estimated completion time was 48 weeks, evaluate the tenders and issue a tender evaluation report capturing all its salient features.

(30marks)

QUESTION TWO (15 MARKS)

Analysing prices in construction projects is a crucial step to ensure that the project remains within budget, meets quality standards, and provides value for money. Explain

a) Objectives of price analysis

b) Key components of price analysis

c) Methods of price analysis

d) Tools and key considerations for price analysis

QUESTION THREE (15 MARKS)

Construction cost data refers to detailed information on the expenses associated with labour, materials, equipment, and other elements required to complete a construction project. Explain the key uses of construction cost data

QUESTION FOUR (15 MARKS)

Interpreting and assessing the reliability of construction cost data is crucial for accurate estimation, budgeting, and decision-making in construction projects. Explain

QUESTION FIVE (15 MARKS)

Tendering methods and procedures are fundamental in construction projects and other industries to select contractors or suppliers through a competitive and transparent process. Explain