



TECHNICAL UNIVERSITY OF MOMBASA

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SCHOOL OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF BUILDING & CIVIL ENGINEERING  
UNIVERSITY EXAMINATION FOR:

BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING

**TCV 4412: CONSTRUCTION MANAGEMENT I**  
SPECIAL/SUPPLEMENTARY EXAMINATION

**SERIES: JULY 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.

Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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**QUESTION ONE (COMPULSORY) 30 Marks**

- a) Outline the functions of management (12marks)
- b) Describe briefly the Maslow's, motivation theory (10marks)
- c) Describe the following three leadership styles;
  - i) Laissez faire,
  - ii) Autocratic,
  - iii) Democratic (8marks)

**QUESTION TWO, (20marks)**

- a) Explain the following, as applies to organisations;
  - i) Scalar principle,
  - ii) Unity of command,
  - iii) Span of control,
  - iv) Specialisation and
  - v) Centralization (10 marks)

- b) Explain the following relations in organisations;
  - i) Line and staff
  - ii) Informal and formal organisations
  - iii) Lateral and functional relations. (10marks)

**QUESTION THREE, (20marks)**

- a) Discuss the following leadership characteristics;
  - i) Temperament,
  - ii) Discipline
  - iii) Dexterity
  - iv) Creativity and innovativeness
  - v) Confidence inspirational (8marks)
- b) Explain the following aspects, the structure and establishing harmonious relations in organisations (6marks)
- c) Outline the characteristics of a bureaucratic organisations (6marks)

**QUESTION FOUR, (20marks)**

- a) Draw a method statement for the following site activities;
  - I) Basement excavations-----440m<sup>3</sup>
  - II) Concreting (1:2:4 ---20mm aggregates) in foundation pads 250m<sup>3</sup>.
  - III) Reinforcement bars y16 -----180kg
  - IV) Reinforcement y12 -----680kg
  - V) Column shuttering -----460m<sup>2</sup>
- a) Draw a programme for the items noted in the work schedule above (4a)

**QUESTION FIVE, (20marks)**

- a) Discuss the factors to consider in the organisation of the site layout. (8marks)
- b) Explain the following terms as applied in contracts;
  - i) Specific performance,
  - ii) Privy of a contract,
  - iii) Liquidated and ascertained damages
  - iv) Rescission (20 marks)