



TECHNICAL UNIVERSITY OF MOMBASA

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.

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-----440m³
 - II) Concreting (1:2:4 ---20mm aggregates) in foundation pads 250m³.
 - III) Reinforcement bars y16 -----180kg
 - IV) Reinforcement y12 -----680kg
 - V) Column shuttering -----460m²
- 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)