



# TECHNICAL UNIVERSITY OF MOMBASA SCHOOL OF ENGINEERING AND TECHNOLOGY

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Department of BUILDING & Civil engineering

## UNIVERSITY EXAMINATION FOR: CERTIFICATE IN BUILDING AND CIVIL ENGINEERING EBC 1201 : CONSTRUCTION MANAGEMENT END OF SEMESTER EXAMINATION

**SERIES:** AUGUST 2024

**TIME:** 2 HOURS

**DATE:** Pick Date Aug 2024

### Instructions to Candidates

You should have the following for this examination

*-Answer Booklet, examination pass, a scientific calculator and student ID*

This paper consists of **FIVE** questions. Attempt any **THREE** questions.

Marks for each question are as indicated.

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

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### **Question ONE.**

- (a) Highlight FIVE importance's of discipline in any construction site (5 marks)
- (b) Describe the THREE stages involved in the construction contract planning of any building project giving FOUR reasons in each stage. (12 marks)
- (c) List SIX specialist (turn-key) contractors giving real examples of companies in Kenya for each case (3 marks)

## Question 2.

Discuss any TEN principles of organization that/which must be met by any construction company in its process of reaching out its organizational goals (20 marks)

## Question 3.

(a) The roles of a **contractor** in the building industry range from the inception of the client's ideas, to the construction period and to the completion of the project (inception, conception & completion of the project). Highlight SIX roles in each case. (9 marks)

(b) The roles of the **client** in the building industry range from the inception of his ideas, to the construction period and to the completion of the project (inception, conception & completion of the project). Highlight SIX roles in each case. (9 marks)

(c) Access to site and traffic is a big challenge in most construction sites, Highlight FOUR ways in which this problem can be solved during the construction period. (2 marks)

## Question 4.

(a) Briefly explain any FIVE ways giving examples in each case of motivating workers in a bid to beat deadlines for any construction project (10 marks)

(b) Discuss any THREE ways of disciplining workers who have failed to adhere to company's rules and regulations (6 marks)

(c) KAZI ventures has won a tender for the construction of a lecture hall in T.U.M, advise the managing director the FIVE documents he is supposed to sign with T.U.M before the establishment of the contract showing the role of each. (4 marks)

## Question 5.

(a) Briefly explain the FOUR methods of tendering construction projects citing FOUR advantages and FOUR disadvantages in each method (20 marks)