



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY

Department of BUILDING & Civil engineering

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN CIVIL ENGINEERING

DCE 2312 : CONSTRUCTION MANAGEMENT II

END OF SEMESTER EXAMINATION

SERIES: APRIL 2025

TIME: 2 HOURS

Instructions to Candidates

You should have the following for this examination

-Answer Booklet and student ID

This paper consists of **five** questions.

Attempt **any THREE** questions.

Do not write on the question paper.

QUESTION ONE

- a). Define the term Project Management Cycle [2marks]
- b). Give **THREE** major dimensions that define construction project performance [3marks]
- c). Define the term project and give **THREE** examples [5marks]
- d). State **FIVE** common characteristics of projects [5marks]
- e). Briefly explain the Phases of project management life cycle [5marks]

QUESTION TWO

- a). State **FIVE** objectives of work study as applied in construction management [5marks]
- b). Briefly explain **TWO** techniques used in method study (6marks)

- c). Discuss factors in favour of the thriving of construction industry in Kenya [9marks]

QUESTION THREE

- a). State **FIVE** processes and operations that constitute the scope of work study [5marks]
b). Highlight **FIVE** reasons for work measurement [5marks]
c). State **THREE** techniques of work measurement [3marks]
d). State **FOUR** essentials of a valid contract [4marks]
e). Briefly describe the following documents as used in materials procurement
 i. Requisition form
 ii. Invoice
 iii. Delivery [3marks]

QUESTION FOUR

- a). Define Law and state **FOUR** sources of Kenyan Law [6marks]
b). Explain **THREE** objectives of a tort [3marks]
c). Sketch a diagram to show the structure of courts in Kenya [10marks]
d). Define Land as is applied in common Law [2marks]
c). State **TWO** factors that make a contract null and void [2marks]

QUESTION FIVE

- a). State **FIVE** functions of Human Resource Management [5marks]
b). i Explain the following terms used in Accounts
 ○ Trial balance
 ○ Final accounts
 ○ Balance sheet [6marks]
 ii. State **TWO** functions of trade unions [2marks]
c). In a work measurement exercise, the observed time was recorded to be 20 minutes for a job done by a worker whose rating is 80. The following allowances are recommended by management;

- Personal needs 5%

- Fatigue allowances 2%
- Contingency allowances 1%
- Delay allowance 2%

Determine;

- i) Basic time
- ii) Work content
- iii) Standard time for the job

[7marks]