



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

DIRECTORATE OF TVET

SECOND YEAR FIRST TERM EXAMINATION FOR

DIPLOMA IN BUILDING TECHNOLOGY

DIPLOMA IN CIVIL ENGINEERING

CONSTRUCTION MANGEMENT 1

DATE: 27/7/2022

TIME: 8:30- 11:30 AM

INSTRUCTIONS

- *This paper consists of **Five** questions.*
- *Answer **All** questions*
- *Maximum marks for each part of the question are as shown.*

- a) State **TWO** types of contractors. (2 marks)
 - b) State **FOUR** roles of each of the following stakeholders in a construction industry;
 - i. Kenya Bureau of Standards
 - ii. Natural Construction Authority (8 marks)
 - c) Explain **TWO** types of construction works. (4 marks)
 - d) Outline **SIX** elements of scope of work. (6 marks)
- a) State **EIGHT** principles of management. (4 marks)
 - b) Explain **TWO** types of each of the following in an organization;
 - i. Relationships
 - ii. Organizational structures (8 marks)
 - c) Explain **FOUR** functions of management. (8 marks)
- a) Give **TWO** uses of a site identification board on a construction site. (2 marks)
 - b) List **FIVE** items that would appear on a sign board for a proposed construction site. (5 marks)
 - c) Explain **FOUR** factors that influence the achievement of maximum efficiency on a planned site. (8 marks)
 - d) Outline **FIVE** rules governing site layout. (5 marks)

4. a) Outline **FOUR** factors to consider while entering into a contract. (6 marks)
- b) Explain **THREE** factors that make a contract null and void. (6 marks)
- c) Explain **FOUR** remedies of breach of contract. (8 marks)
5. a) State **FOUR** roles of a quantity surveyor during the construction period. (4 marks)
- b) Explain each of the following types of contracts stating one advantage in each case
- i. Lump sum;
- ii. Cost plus fixed price; (6 marks)
- c) Distinguish open tendering from selective tendering. (4 marks)
- d) Explain **THREE** types of contract documents. (6 marks)