



MACHAKOS UNIVERSITY

University Examination 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

FIRST YEAR SECOND TERM EXAMINATION FOR

CERTIFICATE IN BUILDING TECHNOLOGY

SITE AND WORKSHOP MANAGEMENT II

DATE:

TIME:

INSTRUCTIONS:

-Answer any five questions from the eight questions.

-All questions carry equal marks.

1. a) List the five main reasons for introducing equipments and machines in a building site. (10 marks)
- b) State five advantages of buying a plant and five advantages of hiring a plant. (10 marks)
2. With aid of drawings show the following documents which are applicable in a building site
 - i) Material transfer form.
 - ii) Material delivery note.
 - (iii) Inventory.
 - (iv) Advice note. (20 marks)
3. a) Define the term preliminancy items and state three preliminary items that have to be considered before carrying out the works. (12 marks)
- b) Explain how water can be got in a building site. (4 marks)

- c) State two reasons why we need electricity in a site. (4 marks)
4. a) A young contractor intends to build a house for a client. Draw a site plan and indicate the following:
- i) Sand dump.
 - ii) Aggregate dumps.
 - iii) Building stones dumps.
 - iv) Workers Guts.
 - iv) Site offices.
 - v) Sentry box. (12 marks)
- b) List three essential services of a workshop (3 marks)
- c) Briefly explain the term measured type of a contract (5 marks)
5. a) State two advantages of identifying dumps with sign boards prior to the arrival of materials (8 marks)
- b) Outline the three roles played by the following parties during construction of a project in a site and who hires them
- i) Clerk of works
 - ii) General foreman
 - iii) Estimation (12 marks)
6. State any four contract documents and explain how they are used. (20 marks)
7. a) Explain the term tendering (4 marks)
- b) Name and explain two types of tenders (10 marks)
- c) List two advantages and two disadvantages of selective tender (6 marks)
8. a) Name three forms of a contract that are commonly practiced by contractors and their clients (3 marks)
- b) List five types of contracts. (5 marks)
- c) Explain the following clause and how it affects the contractor
Clause 22 (12 marks)