



MACHAKOS UNIVERSITY

University Examinations for 2020/2021

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

FIRST YEAR SECOND TERM EXAMINATION FOR

CERTIFICATE IN BUILDING TECHNOLOGY

SITE MANAGEMENT

DATE: 31/8/2021

TIME: 8:30 – 11:30 AM

INSTRUCTIONS:

Answer the following **FIVE** questions:

1.
 - (a) Briefly explain the term “preliminary” items for works. (4 marks)
 - (b) List **TWO** examples of preliminary items under each of the following classifications:
 - (i) Safety and security.
 - (ii) Administration and accommodation.
 - (iii) Services.
 - (iv) Situations.
 - (v) Conditions.(10 marks)
 - (c) Give **THREE** reasons for insuring building works. (6 marks)
2.
 - (a) Identify **TWO** main sources of electricity on sites. (4 marks)
 - (b) Highlight **THREE** negative effects of a poorly planned site. (6 marks)
 - (c) List down **TWO** advantages of identifying position of spoils with regard to delivery of materials on a site. (4 marks)
 - (d) Identify Any **SIX** essentials of a valid contract. (6 marks)
3.
 - (a) With the aid of a flow chart, show the relationship between the parties in a medium size construction site. (10 marks)
 - (b) Identify Any **FIVE** reasons for introducing equipment and machines in building works. (10 marks)

4. (a) Outline **FIVE** factors to be considered when deciding the type of plant to acquire. (10 marks)
- (b) Define the term maintenance with regard to equipment and machine. (2 marks)
- (c) Give **FIVE** reasons why careful planned maintenance is important. (5 marks)
- (d) Describe **TWO** classes of maintenance. (2 marks)
5. (a) Identify **FIVE** by-laws with regard to erection of hoardings on a site. (5 marks)
- (b) Discuss **THREE** purposes of preliminary items. (6 marks)
- (c) Identify Any **FIVE** points to be considered when planning the site layout. (5 marks)
- (d) Give **FOUR** advantages of hiring a plant. (4 marks)