



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations for 2013/2014

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

Examination for

Construction Management I

Date:

Time:

Instructions

This paper consists of two in section A and B

Answer question one from section A and any other two questions in section B

Maximum marks for each part of a question are as shown

SECTION A (30 MARKS)

1. a) i) Define the following terms
 - i. Workshop
 - ii. Building site (4 marks)
- ii) Explain the term face of communication in relation to the factors considered in selecting a workshop site. (4 marks)
- b) i) Explain the term market in terms of availability and distance. (3marks)
- ii) What are county plan zones? Explain basing your answer on the divisions in the county towns. (4 marks)
- iii) Explain the essential service that should be in a workshop. (5 marks)
- c) Draw a site plan for a proposed building and indicate positions for the following constructions to produce the most effective site.

- i. Seutry box
- ii. Site office
- iii. Workers huts
- iv. Pit latrines
- v. Canteens
- vi. General stores
- vii. Timber yard (10 marks)

SECTION B

2. a) Name and explain tree regulations governing a workshop design. (6 marks)
- b) Explain the following terms as used in material control.
 - i. Requisition
 - ii. Goods received note
 - iii. Order form (4 marks)
- c) What is a material transfer note and how is it used in a workshop or site. (4 marks)
3. a) Explain how the following material should be stored in a site or workshop.
 - i. Cement and line
 - ii. Sand and ballast
 - iii. Timber
 - iv. Reinforcement bars. (4 marks)
- b) Name and explain three factors considered when storing materials in a building site. (4 marks)
- c) Explain how an employer should deal with the welfare regulations of his workers in a building site. (4 marks)
4. a) Draw and fill the following receipts as referred to when ordering materials.
 - i. Delivery note
 - ii. Advice note
 - iii. Material returns note (12 marks)
- b) Why is it necessary to have watchmen on site and how do we determine the number needed in a given. (4 marks)
- c) Name and explain two source of electricity in a building site. (4 marks)

