



MACHAKOS UNIVERSITY

University Examinations 2017/2018

**SCHOOL OF ENGINEERING
DEPARTMENT OF BUILDING AND CIVIL ENGINEERING**

**THIRD YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN CIVIL
ENGINEERING**

BCECD 314 CONSTRUCTION MANAGEMENT 1

DATE: 13/12/2017

TIME: 8.30-10.30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30MARKS)

- a) State any TWO types of contracts (4 marks)
- b) Outline four functions of management principles (8 marks)
- c) Explain the meaning of management principles (4 marks)
- d) Outline any FIVE qualities of a good leader (5 marks)
- e) Define the term discipline (2 marks)
- f) Differentiate between hoarding and fencing (4 marks)
- g) State THREE factors to consider when positioning planet on a given site. (3 marks)

QUESTION TWO (20 MARKS)

Outline two duties of each of the following members in the building team

- a) Client
- b) Quantity surveyor
- c) Contractor
- d) Draughtsman
- e) Architect (10 marks)

QUESTION THREE (20MARKS)

Make a neat sketch to show a site layout plan of a masonry workshop showing all the areas

(20 marks)

QUESTION FOUR (20MARKS)

- a) Explain the importance of signboards in a a site (5 marks)
- b) Outline any two types tendering (10 marks)
- c) Briefly explain the term (“span of control”) (5 marks)

QUESTION FIVE (20 MARKS)

- a) Make a neat sketch of a site foreman (10 marks)
- b) Briefly explain how the following materials can be stored in a site:
 - i. Cement
 - ii. Timber