



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF ENGINEERING AND TECHNOLOGY
UNIVERSITY EXAMINATIONS FOR THE DEGREE IN CONSTRUCTION MANAGENT
4TH YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR
CENTRE: MAIN CAMPUS

COURSE CODE: TCM 3412

COURSE TITLE: SITE ORGANIZATION AND MANAGEMENT

EXAM VENUE: CR

STREAM: BSc CONSTRUCTION MGT.

DATE: 20/12/2017

EXAM SESSION: 2.00 – 4.00PM

DURATION: 2 HOURS

Instructions

- 1. Answer question 1 (Compulsory) and ANY other two questions**
- 2. Candidates are advised not to write on question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION ONE (30marks)

- a) Define the following terminologies commonly used in construction sites (10marks)
 - i. Selective tendering
 - ii. Performance bond or security
 - iii. Contract variations
 - iv. Prime cost (PC) sum
 - v. Workman's compensation
- b) Briefly explain why project management is key to the success of construction projects (10marks)
- c) State items you would expect to be discussed in a pre-contract meeting in respect of a building construction project (10marks)

QUESTION TWO (20marks)

- a) As a project manager, briefly highlight to your employer the key phases projects undergo from initiation to operation phase (10marks).
- b) Discuss five temporary structures that needs to erected in building construction site prior to commencement of contract works (10marks)

QUESTION THREE (20marks)

As a construction manager, discuss five common accidents you would expect to occur in a multi storied building construction site located in the Central Business District of the city of Nairobi including measures you would institute to minimize them (20marks)

QUESTION FOUR (20marks)

- a) Define the term "procurement" (2marks)
- b) Briefly discuss the reasons behind the legislation of the current public procurement act in Kenya (8marks).
- c) As a project manager, advise your employer on the relative advantages and disadvantages of the common procurement methods practiced in Kenya (10marks)

QUESTION FIVE (20marks)

- a) Define the following terms with regard to emergency and disaster management (8marks)
 - i. Emergency plan
 - ii. Assembly areas / point
 - iii. Protective gear
 - iv. Evacuation diagram
- b)
 - i. State three strategies for effective response by emergency or disaster management teams (6marks).
 - ii. Highlight three measures for minimizing dangers associated with crumbling freshly casted concrete elements (6marks).