



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF ENGINEERING AND TECHNOLOGY
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
RENEWABLE ENERGY TECHNOLOGY AND MANAGEMENT
SUPPLIMENTARY EXAM ACADEMIC YEAR 2015/2016
MAIN CAMPUS**

COURSE CODE: TCM 3412

COURSE TITLE: SITE ORGANIZATION AND MANAGEMENT

EXAM VENUE: LAB 1

STREAM: (BSc. Renewable Energy Tech & Mngt.)

DATE: 04/05/2016

EXAM SESSION: 9.00 – 11.00 AM

TIME: 2.00 HOURS

Instructions:

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

QUESTION ONE

- a) Define the following terminologies commonly used in construction sites. (10 marks)
- i. Defects liability period
 - ii. Bid bond or security
 - iii. Moiety
 - iv. Practical completion
 - v. Hoarding
- b) Discuss major duties of a project manager. (10 marks)
- c) State five consultants you would expect to be employed in a building construction project including the roles of each. (10 marks)

QUESTION TWO

- a) Describe the critical tools a project manager would use to monitor the triple constraints of a construction project. (10 marks)
- b) Discuss ten types of the information contained on a site weekly report. (10 marks)

QUESTION THREE

- a) As a construction manager, describe the kind of accidents you would expect to occur in a multi storied building construction site located in the central business district of Nairobi. (10 marks)
- b) Name and describe five Acts of Parliament that regulate design and construction of building and civil engineering projects in Kenya. (10 marks)

QUESTION FOUR

- a) Discuss factors that affect productivity of construction workers. (10 marks)
- b) As a project manager what strategies would you put in place to increase productivity of the construction labor. (10 marks)

QUESTION FIVE

- a) Define the following terms with regard to emergency preparedness and disaster management. (8 marks)
- i. Emergency exit
 - ii. Disaster management plan
 - iii. Disaster mitigation plan
 - iv. Evacuation
- b)
- i. What are the ingredients of a first aid kit? (6 marks)
 - ii. State three ways of minimizing disasters associated with fire. (6 marks)