



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF ENGINEERING AND TECHNOLOGY

**UNIVERSITY EXAMINATIONS FOR THE DEGREE IN SCIENCE IN
CONSTRUCTION MANAGEMENT**

3RD YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

CENTRE: MAIN CAMPUS

COURSE CODE: TCM 3313

COURSE TITLE: MEASUREMENTS FOR CONSTRUCTION WORKS I

EXAM VENUE: LR 5

STREAM: BSc CONSTRUCTION MGT

DATE: 11/12/2017

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 (30 Marks)

Take off quantities for all the substructure works as per attached drawing No.001

QUESTION TWO (20 Marks)

- a) Take off quantities for internal doors and windows as per attached drawing (15 Marks)
- b) State and describe five elements in a building (5 Marks)

QUESTION THREE (20 Marks)

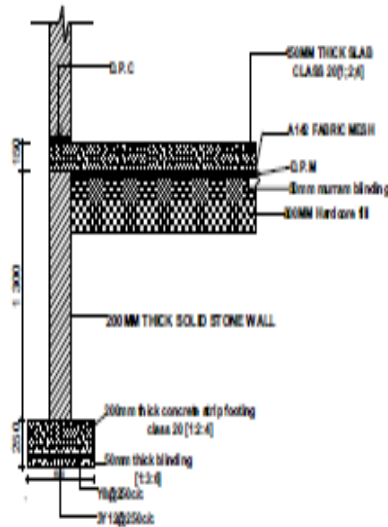
Take off quantities for the superstructure wall and concrete frame as per drawing No 001

QUESTION FOUR (20 Marks)

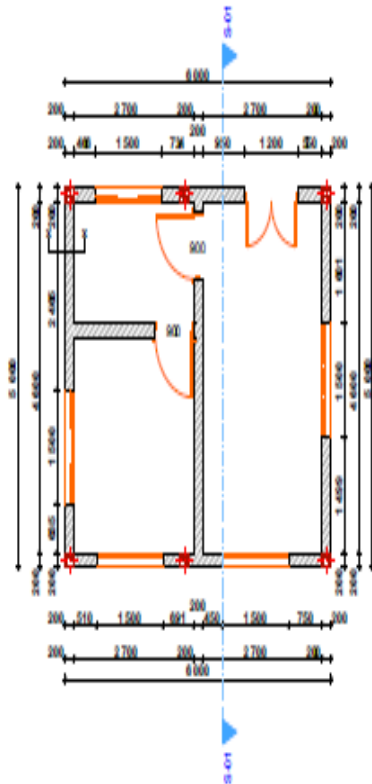
Take off quantities for roof works and rainwater goods as per attached drawing No 001

QUESTION FIVE (20 Marks)

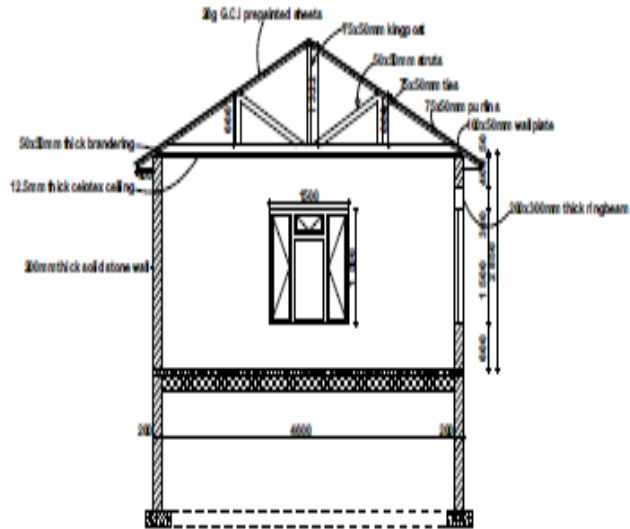
- i. Take off quantities for the internal wall, floor and ceiling finishes as per the drawing No 001 (15 Marks)
- ii. State the standard units of measurements of the following (5 Marks)
 - a) Concrete in foundation
 - b) Walling
 - c) Floor Tiling
 - d) Windows




STRIP FOUNDATION SECTION x-x RC
DETAILS
SCALE 1:50



PLAN



SECTION 01-01

 Company Name	
Head City Postal Code	
Project Name	
Standard Address Standard City Standard Country Standard Province	
Drawing Name	
Project Status	
Security Code	Code
P&ID Number	Code
Drawn by	Name
Security Code	1:50
Layer ID	Name
Layer ID	Name