



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS

2015/16 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATION FOR BSc IN CONSTRUCTION
MANAGEMENT

COURSE CODE: TCM 3213

TITLE: Measurements for Construction Works

DATE:/4/2016

DURATION: 2HOURS

CENTRE: MAIN CAMPUS

INSTRUCTIONS TO CANDIDATES

This paper consists of 5 questions

Answer question ONE and any other two questions

QUESTION ONE (30Marks)

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

QUESTION TWO (20Marks)

Take off quantities for roof works and rainwater goods as per drawing No 002

QUESTION THREE (20Marks)

- i. Take off quantities for the internal finishes as per the drawing No 003 (15Marks)
- ii. State the standard methods of measurements of the following (5Marks)

Concrete foundation

- a) Walling
- b) Doors
- c) Windows

QUESTION FOUR (20Marks)

Take off quantities for the superstructure wall and concrete frame as per drawing No 004

QUESTION FIVE (20Marks)

- a) Take off quantities for internal doors, external doors and windows per attached drawing (18Marks)
- b) Define the term SMM (2 Marks)