



TECHNICAL UNIVERSITY OF MOMBASA
**Faculty of Engineering &
Technology**

DEPARTMENT OF BUILDING & CIVIL ENGINEERING
DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBCE 12S)

ECV 2302: MEASUREMENT OF CIVIL ENGINEERING WORKS

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2014

TIME ALLOWED: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions. Answer any **THREE** questions

All questions carry equal marks

Maximum marks for each part of a question are as shown

Use neat, large and well labeled diagrams where required

This paper consists of **TWO** printed pages

Question

Take off all quantities for the plumbing installation on diagram 04 attached. **(20 marks)**

Question Two

Prepare a pipe run schedule for draining No. 08/14 attached and take off pipe work. **(20 marks)**

Question Three

Take off the quantities for the **THREE** manholes as per drawing No 08/14 attached. **(20 marks)**

Question Four

Take off all the quantities for the staircase attached except handrails. **(20 marks)**

Question Five

Take off the quantities for the roof in drawing 07/14 attached. **(20 marks)**