



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT BUILDING AND CIVIL ENGINEERING

UNIVERSITY EXAMINATION FOR:

BSC IN CIVIL ENGINEERING

ECE 2114: ENGINEERING DRAWING I

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2HOURS

DATE:18 May 2016

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, Drawing Instruments, Scientific calculator, examination pass and student ID

This paper consists of five questions. Attempt question ONE (Compulsory) and any other TWO questions.

QUESTION 1;

Figure I shows steel base plate;

- Sketch plan and elevation
- Sketch 3-D isometric of base plate

(20 marks)

QUESTION 2;

Draw to scale 1:1 with dimensions;

- Plan and elevation of base plate
- Section A-A

(20 marks)

QUESTION 3;

Draw 3-D Isometric of base plate to scale 1:1.

(20 marks)

QUESTION 4;

Figure II shows steel bracket in 3-D Isometric;

- a) Sketch freehand 3-D Isometric
- b) Sketch plan, elevation

(20 marks)

QUESTION 5;

Draw to scale 1:1 with dimensions;

- a) Plan, elevations
- b) Section A-A

(20 marks)

