TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering and Technology

DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING

CERTIFICATE IN TECHNOLOGY

ELECTRICAL AND ELECTRONICS ENGINEERING (CEEE2)

EME 1151

ENGINEERING DRAWING II

END OF SEMESTER EXAMINATIONS

SERIES: APRIL 2016

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1) You should have the following for this examination;

- Answer booklet

- Non-programmable calculator

   2) Answer any THREE Questions

QUESTION ONE

Fig 1 Shows an Isometric Drawing of a Bearing Bracket. Draw in 1st angle Projection the following views

- A) Front Elevation in the direction of arrow FE
- B) A sectional End Elevation through cutting plane E-E
- C) Sectional Plan   20 Marks

QUESTION TWO

From the V- Block shown Figure 1 , draw the following in 3rd angle Projection

- a) A Front Elevation in the direction of arrow C
- b) An End Elevation in direction A.
- c) A Plan.   20 Marks

QUESTION THREE

Figure 2 shows Three views of a Block in an angle of Projection

- a) State which angle of Projection used.
- b) Draw fullsize the Isometric view of the Block with X as the lowest point.   20 Marks

QUESTION FOUR

Draw Ellipses using the following methods

- 1) Concentric Circle Method
- 2) Parallelogram   Method   20 Marks

QUESTION FIVE

- a) Draw free hand sketch of a three PIN Top Plug.   10 Marks
- b) Draw a Bridge rectifier Circuit incorporating a π network filter.   10 Marks