

**MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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**University Examinations 2015/2016**

THIRD YEAR, FIRST SEMESTER EXAMINATION FOR THE DIPLOMA IN CIVIL ENGINEERING

**ECV 2307: COMPUTER AIDED DRAFTING (AUTOCAD AND ARCHICAD).**

**DATE: AUGUST 2016 TIME: 3HOURS**

**INSTRUCTIONS: -** *Answer question* ***one*** *and any other* ***two*** *questions*

**QUESTION ONE (30 MARKS)**

The floor plan of a one bedroomed house is shown in figure I

Required:

1. Copy the plan as shown (10 marks)
2. Insert all the grid dimensions (6 marks)
3. Insert the drainage details expected for the house (8 marks)
4. Suggest appropriate floor finishes for the various rooms (6 marks)

**QUESTION TWO (15 MARKS)**

Draw the section of the house along cutting plane Y-Y complete with the substructure and superstructure. Include specifications for both substructure and the superstructure (15 marks)

**QUESTION THREE (15 MARKS)**

The isometric projection of a locating guide is shown in figure 2. Copy the projection excluding the dimensions. (15 marks)

**QUESTION FOUR (15 MARKS)**

Produce an elevation in the direction of arrow A figure I. Assumed a hipped roof. (15 marks)