



MACHAKOS UNIVERSITY

University Examinations 2017/2018

SCHOOL OF ENGINEERING
DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

SECOND YEAR SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN
BUILDING AND CONSTRUCTION TECHNOLOGY

BCEBT 214 ENGINEERING DRAWING IV

DATE: 4/12/2017

TIME: 8.30-10.30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30 MARKS)

Draw the given layout and produce a two point perspective view of the block whose two views are shown in fig. 1.

QUESTION TWO (20MARKS)

Use the given layout to construct a two point perspective view of the object.

QUESTION THREE (20 MARKS)

Figure 3 shows the floor plan of a proposed school canteen. Using a scale of 1:20 draw section A-A from foundation to the roof.

QUESTION FOUR (20MARKS)

From figure 4 draw a one point perspective view of the block whose views are shown.

QUESTION FIVE (20 MARKS)

Figure 5 shows the views of a model of a simple domestic house. Draw a two point view when;

-PP touches corner A of the model.

-HL is 60mm below PP and 70mm above GL

-SP is 70mm below PP.

- a) Plan and elevation as shown,
- b) Section plan,
- c) End elevation,
- d) Surface development of the frustum
- e) True shape of the cut section.