THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

DIPLOMA IN ENVIRONMENTAL HEALTH SCIENCES (DEH 10J)

EBT 2113 :TECHNICAL DRAWING

SEMESTER EXAMINATIONS

SERIES: AUGUST 2011

TIME: 3 HOURS

Instructions to Candidates:
This paper consists of **TWO**sections: Section I and II.
Section I has **30 marks** and Section II has **40 marks**.
Attempt **ALL** Questions in Section I and only **TWO** Questions from Section II.
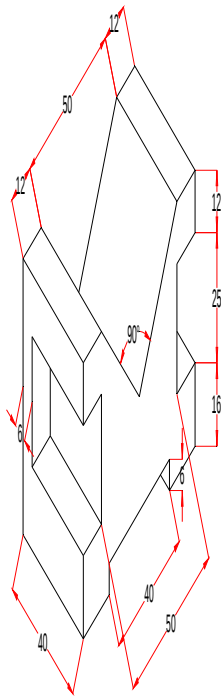Maximum marks for each part of a question is as shown
This paper consists of **SIX** printed pages

Question ONE

a) Redraw the figure below in isometric projection and draw in first angle projection its plan, front and elevation. (20 Marks)
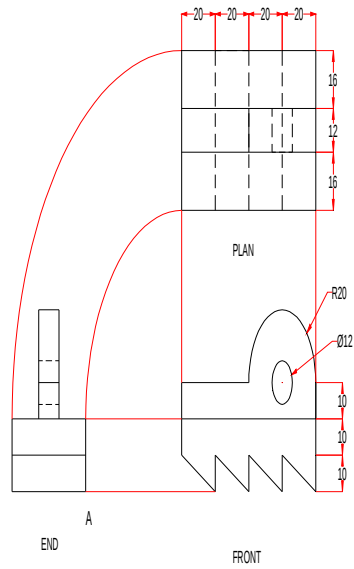

b) An approximate ellipse is to have axes of 166mm and 108mm. Draw the figure using the rectangle method. (10 Marks)

SECTION II
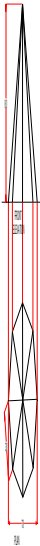**(ANSWER ANY TWO QUESTIONS IN THIS SECTION)**

Question TWO

Make an isometric drawing of the given object, positioned so that the corner marked A is the lowest point on the drawing. (20 Marks)
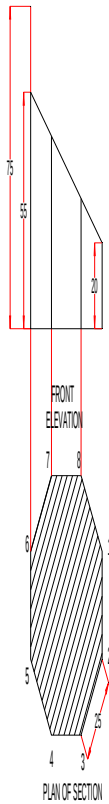

Question THREE

Construct the auxiliary elevation of the octagonal pyramid whose front elevation and plan are shown below.

(20 Marks)

Question FOUR

Construct the surface development of the truncated octagonalprism whose plan and front elevation are shown below.

75
55
20

FRONT
ELEVATION

7   8
6   1
5
        2
        25
4   3

PLAN OF SECTION

Question FIVE

Construct the true shape of the section of the truncated hexagonal pyramid whose plan and front elevation are shown below.