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 12J)

EBC 2133: TECHNICAL DRAWING

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: MAY/JUNE 2012

TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
  • *Answer Booklet*
This paper consists of **FIVE** questions in **TWO** sections **I & II.**
Answer question **ONE** plus any other **TWO** questions
Maximum marks for each part of a question are clearly shown
This paper consists of **TWO** printed pages

SECTION I (Compulsory – 30 marks)

Question 1 (30 marks)

a) Redraw the figure below in isometric projection and draw in third angle orthographic projection its path, front elevation and end elevation   (20 marks)

b) Draw the following lines and give their uses   (10 marks)
  (i)   Hatching lines
  (ii)   Break lines
  (iii)   Centre lines
  (iv)   Construction lines
  (v)   Guide lines

SECTION II (Answer any TWO questions)

Question 2 (20 marks)

Redraw the figure below in isometric projection and draw in first angle orthographic projection its plan, front elevation and end elevation   (20 marks)

Question 3 (20 marks)

Construct the auxiliary elevation and auxiliary plan of the pentagonal pyramid whose front elevation and plan are shown below   (20 marks)

Question 4 (20 marks)

Construct the surface development of the truncated octagonal prism whose plan and front elevation are shown below

Question 5 (20 marks)

Redraw the figure below in oblique projection and draw in first angle orthographic projection its plan, section X-X and end elevation   (20 marks)