THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

FACULTY OF ENGINEERING &TEHNOLOGY

Department of Mechanical & Automotive Engineering

Diploma in Mechanical Engineering (Plant)
Diploma in Mechanical Engineering (Production)
Diploma in Automotive Engineering
Diploma in Chemical Engineering

YEAR I SEMESTER II

SPECIAL/SUPPLEMENTARY EXAMINATION

EME 2106

ENGINEERING DRAWING II

SERIES: OCTOBER, 2011

TIME: 2 HOURS

Instructions

You should have the following for this examination:

- Drawing Instruments
- A2 Drawing Paper

This paper consists of **FIVE** Questions, answer
Question **ONE** (Compulsory) and any other **TWO** Questions.
Maximum marks for each question in indicated against each question.

Question ONE (Compulsory)

Figure I shows a pictorial drawing of a bearing block. Drawing in full size, using third angle projection, the following:-

(a) Front elevation (F)
(b) An end elevation (E)
(c) Plan
(d) Insert SIX major dimensions

(30 Marks)

Question TWO

Figure 2 represent a view of a fume extraction duct. The duct is constructed using parts A, B and C. Draw to scale, the surface development of part marked B. **(20 Marks)**

Question THREE

Figure 3 shows two orthographic views of a component. Draw, using free-hand, a pictorial drawing of the component. **(20 Marks)**

Question FOUR

Figure 4 shows three orthographic views. Draw in good proportion an oblique drawing of the figure. **(20 Marks)**

Question FIVE

Draw the surface development of the component shown in figure 5. Start the development from the shortest side. **(20 Marks)**