INTI
INTERNATIONAL COLLEGE PENANG (507232-U)
LAUREATE INTERNATIONAL UNIVERSITIES

FINAL
Examination Paper

(COVER PAGE)

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| Session | : | AUGUST 2016 |
| Programme | : | DIPLOMA IN ELECTRICAL & ELECTRONIC ENGINEERING |
| Course | : | **EGR1175: ENGINEERING DRAWING** |
| Date of Examination | : | 9 December 2016 (Friday) |
| Time | : | 2:00pm – 4:00pm Reading Time : Nil |
| Duration | : | 2 Hours |
| Special Instructions | : | |

This paper consists of Six (6) questions. Answer **any FOUR (4) questions** in the drawing paper provided.

All questions carry equal marks. All drawings are to be drawn in full size unless otherwise stated.

All dimensions are not required unless the question explicitly asks for them.

Materials permitted :

Nil

Materials provided :

Nil

Examiner(s) : **Phua Chin Lai**

Moderator : **Cheah Kean Seng**

*This paper consists of 7 printed pages, including the cover page.*

INTI INTERNATIONAL COLLEGE PENANG

DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING PROGRAMME (DEEI)
EGR1175: ENGINEERING DRAWING
FINAL EXAMINATION: AUG 2016 SESSION

Instructions: This paper consists of **Six (6)** questions. Answer any **FOUR (4)** questions in the drawing paper provided. All questions carry equal marks. All drawings are to be drawn in full size unless otherwise stated. All dimensions are not required unless the question explicitly asks for them.
**NOTE: All dimensions are given in mm.**

## Question 1

Using principles of tangency, draw Figure Q1, making sure that the construction to obtain the centers of the arcs and circles are properly indicated. All dimensions are in mm.

(25 marks)

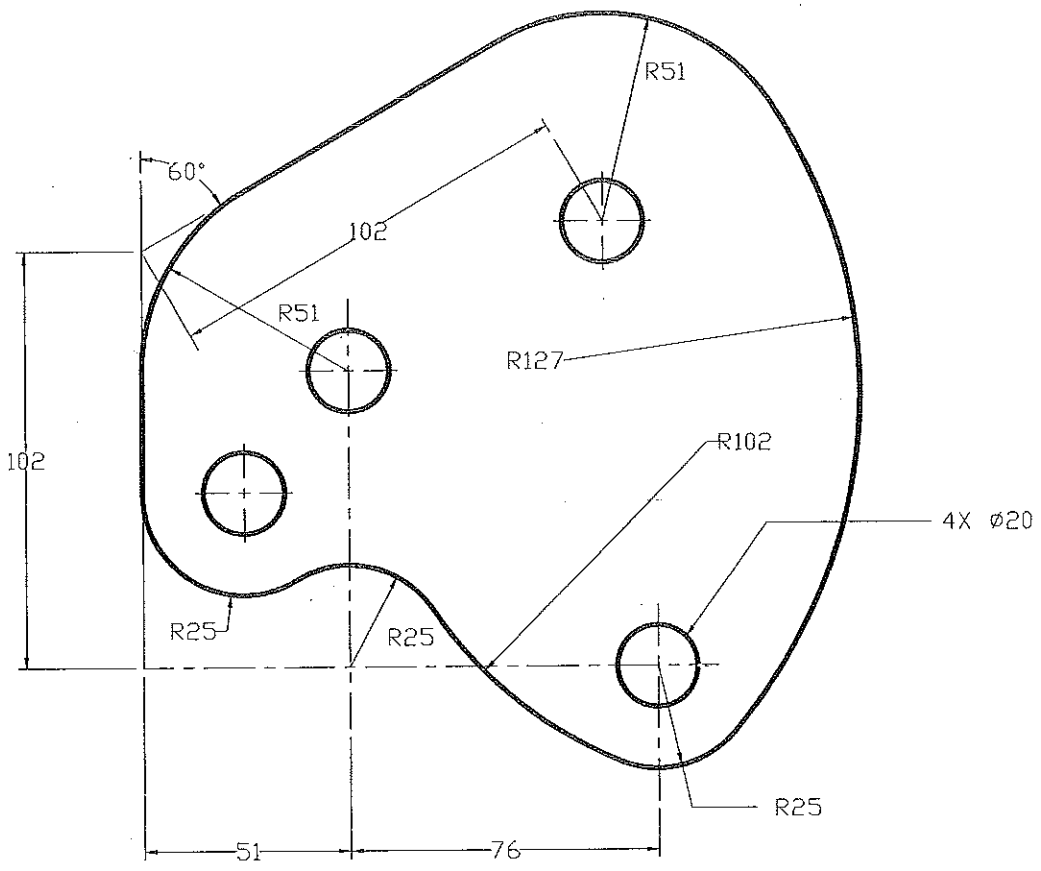
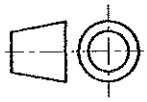



Figure Q1

## Question 2

Draw the Oblique cabinet view of the component given in Figure Q2 below, choosing the most suitable face to be presented in the frontal plane. The receding plane is required to recede towards the left. All dimensions are in mm.

(25 marks)



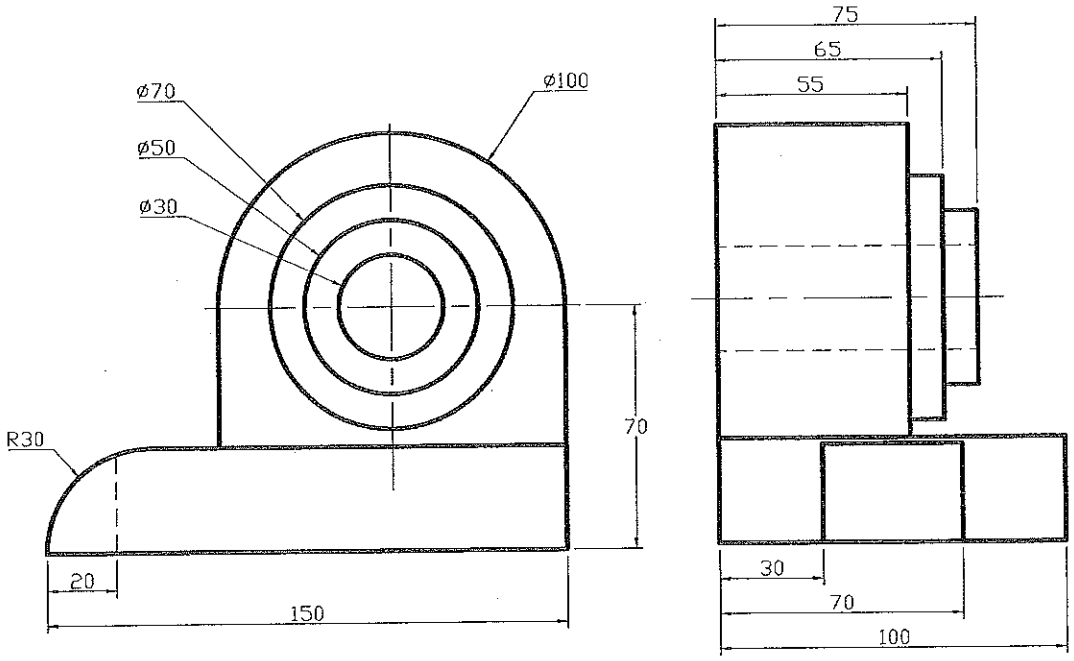



Figure Q2

**Question 3**

Draw the following view of object shown in Figure Q3 in Third Angle Projection.

(a) front view from A (8 marks)
(b) a side view from B (9 marks)
(c) a Plan view (8 marks)

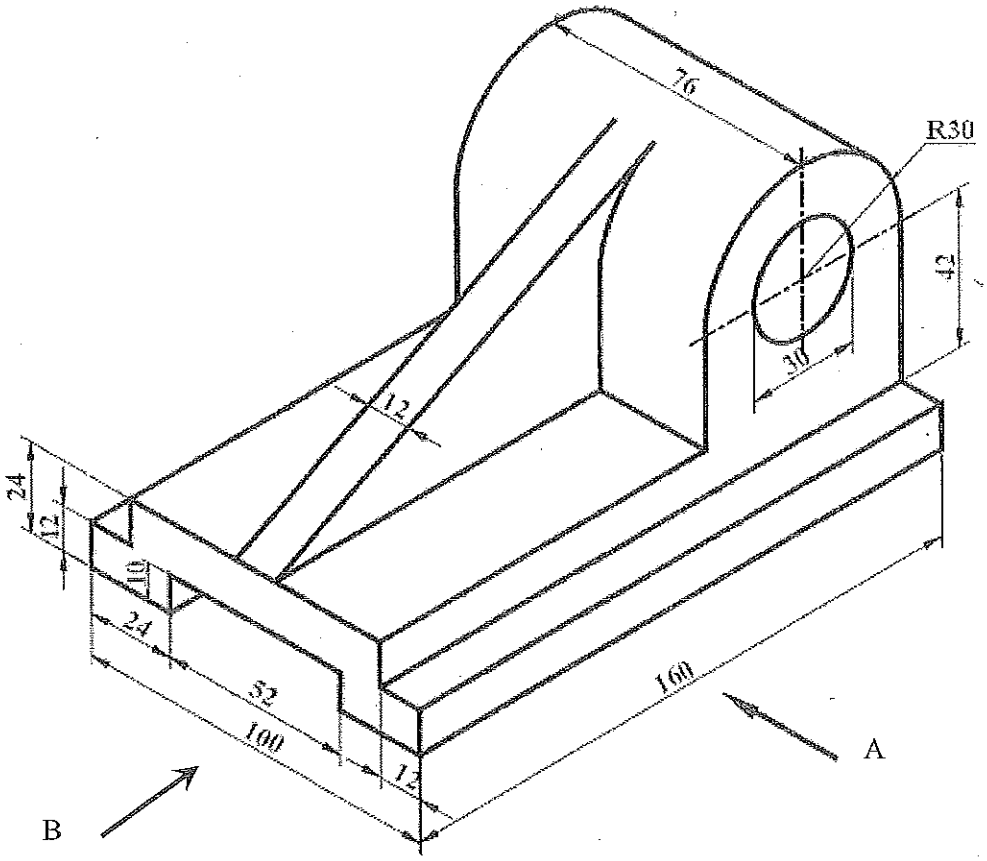



Figure Q3

Question 4

The front view and the plan view shown in Figure Q4 are in First angle projection. Draw these views by transferring the dimensions from the question paper with the scale of 1:1 in First Angle Projection. Lastly complete the right end view.

(25 marks)

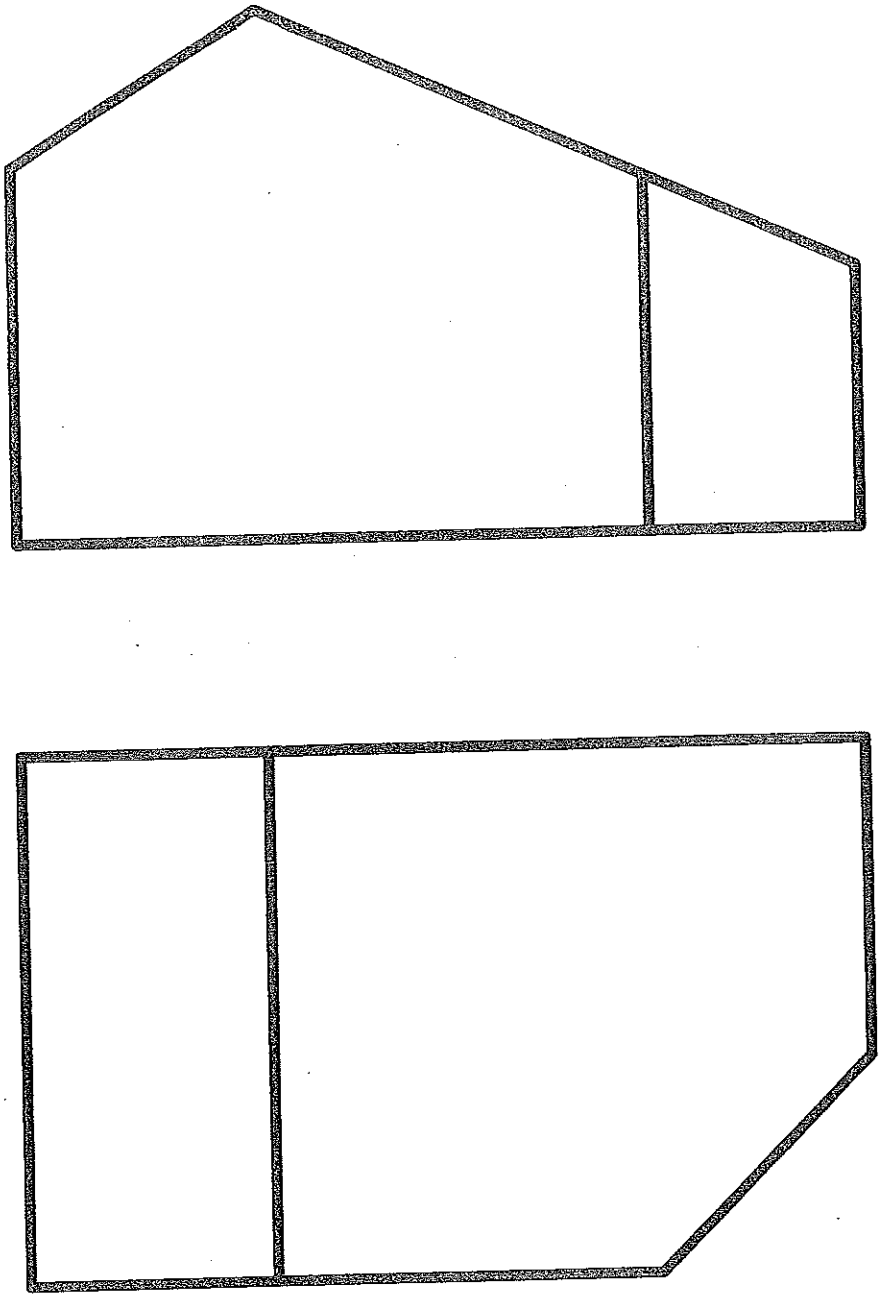


Figure Q4

**Question 5**

Figure Q5 shows an isometric view of an object. Draw in Third Angle the following orthographic views:-

a) Sectional front view AA (15 marks)
b) A plan view (10 marks)

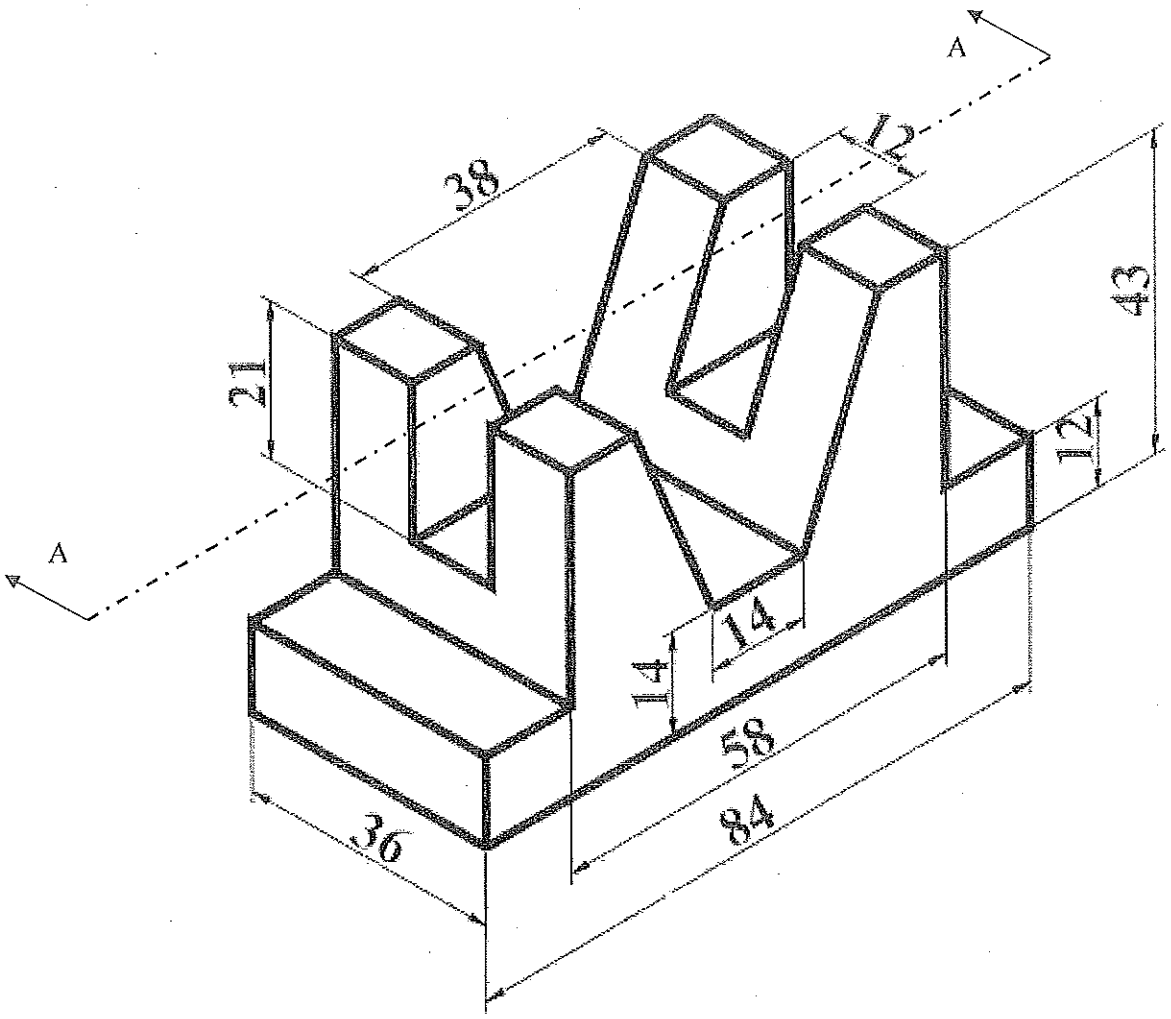



Figure Q5

**Question 6**

Below in Figure Q6 is the Third Angle Projection drawing of a wall bracket. Draw the given top view and auxiliary view of the component.

(25 marks)

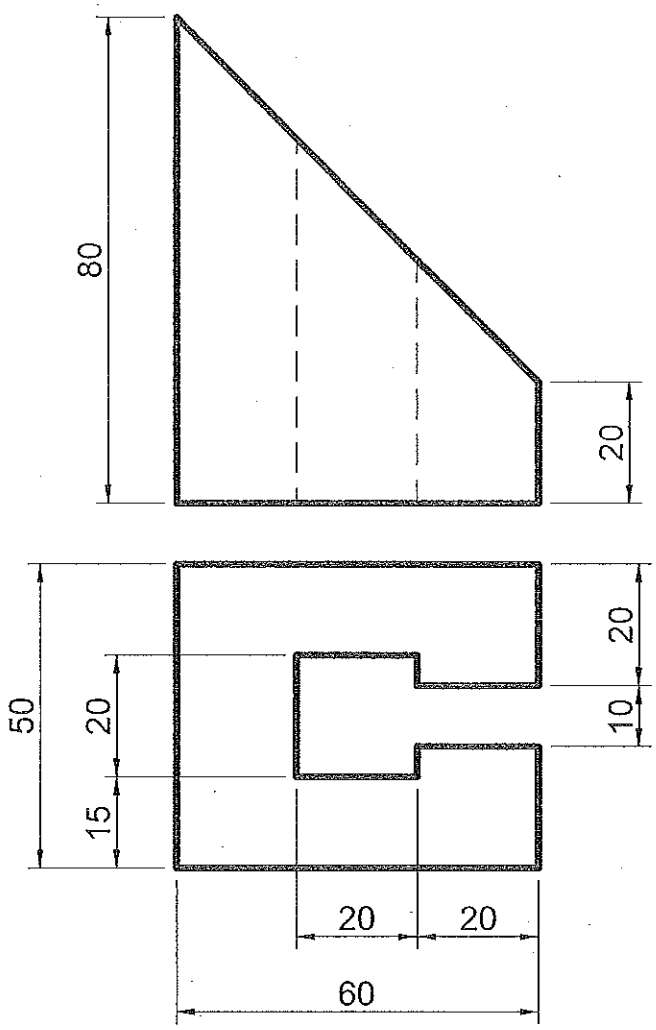



Figure Q6

-The End-