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International College Penang
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FINAL
Examination Paper

(COVER PAGE)

Session	:	**August 2015**
Programme	:	Diploma in Electrical and Electronic Engineering (DEEI)
Course	:	**EGR 1175: Engineering Drawing**
Date of Examination	:	8th December 2015 (Tuesday)
Time	:	5:00pm – 7:00pm Reading Time : Nil
Duration	:	2 Hours
Special Instructions	:	

This paper consists of **SIX (6)** questions. Answer any **FOUR (4)** questions on the drawing paper provided. All questions carry equal marks.

IMPORTANT NOTE : THIS PAPER SHOULD NOT BE TAKEN OUT OF THE EXAMINATION HALL

Materials permitted :

Nil

Materials provided :

Drawing Sheet

Examiner(s)	:	**Mr. Phua Chin Lai**
Moderator	:	Dr. Cheah Kean Seng

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

INTI INNTERNATIONAL COLLEGE PENANG

DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING (DEEI)
EGR 1175 ENGINEERING DRAWING
FINAL EXAMINATION: AUG 2015 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

Draw full size the wing plate shown in Figure Q1. Your drawing must show all geometrical construction necessary to achieve a smooth outline and the correct positioning of holes. Indicate clearly the centres of all arcs construction.

(25 Marks)

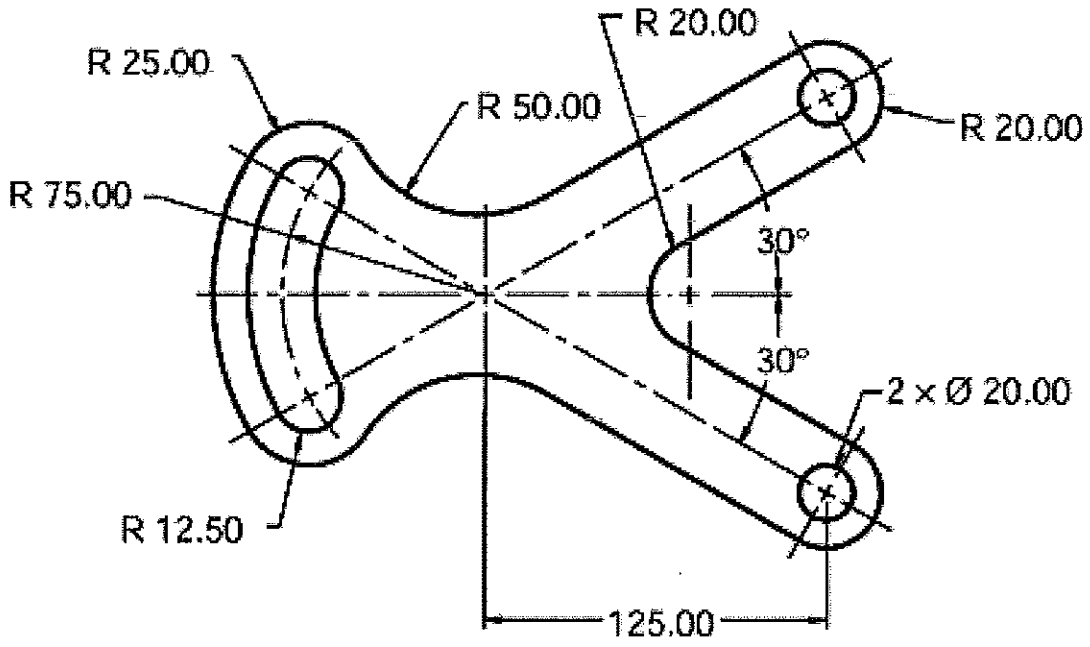

Figure Q1

Question 2

The component in Figure Q2 shows a sleeve bracket. Draw in Third Angle Projection of the following views:

(a) Front View from A

(9 Marks)

(b) Sectional View B – B

(8 Marks)

(c) Plan View

(8 Marks)

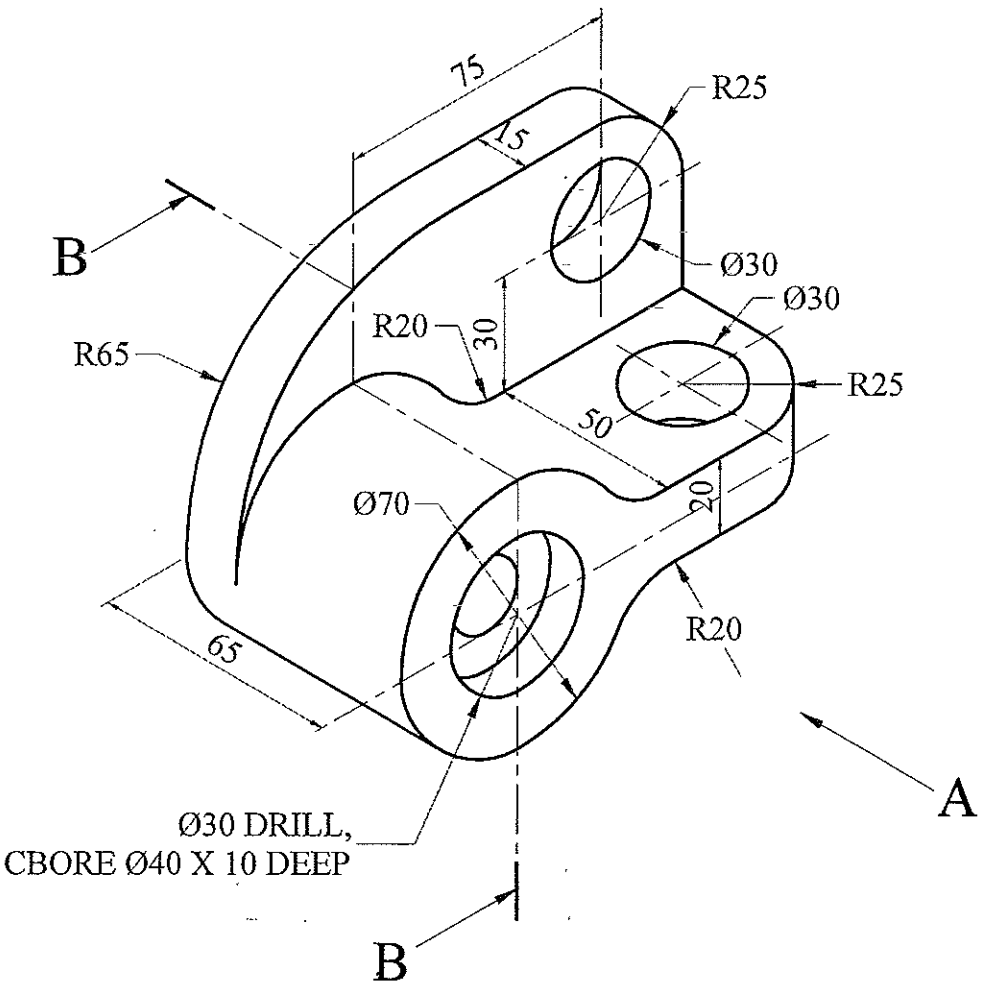

Figure Q2

Question 3

Below in Figure Q3 is the First Angle Projection drawing of a locating attachment. Draw an oblique cabinet view of the component choosing the most suitable face to be presented in the frontal plane.

(25 Marks)

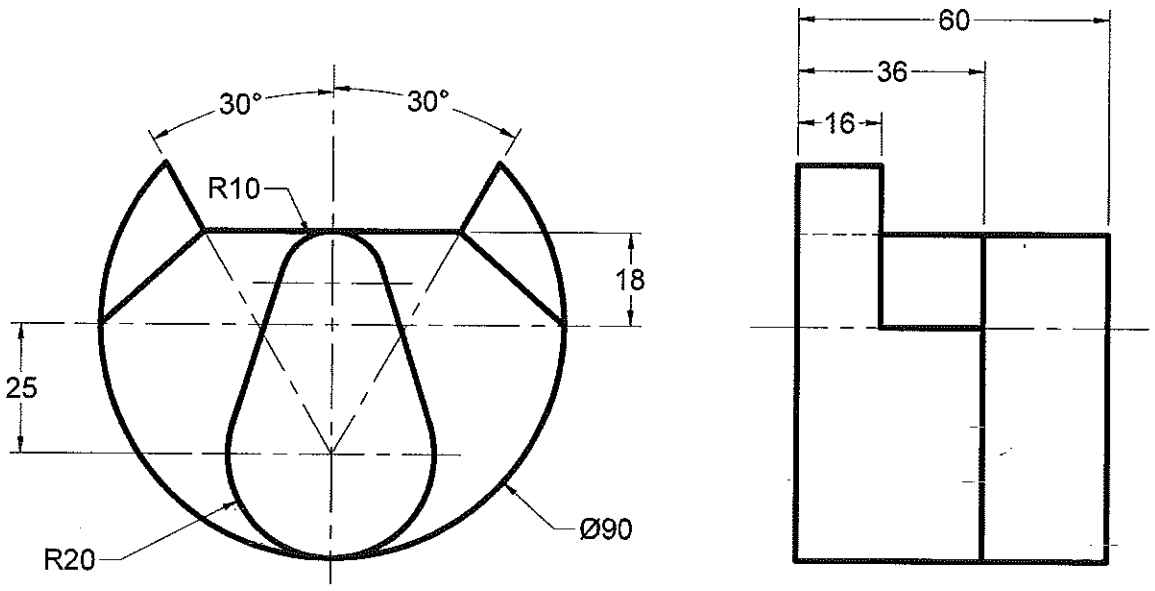

Figure Q3

Question 4

A half part of a truncated cylinder combined with a half part of truncated hexagon is given in Figure Q4. The views shown below are in first angle projection.

(a) Identify and redraw the front view and plan view

(6 marks)

(b) Draw a full size (1:1) development of this object

(19 Marks)

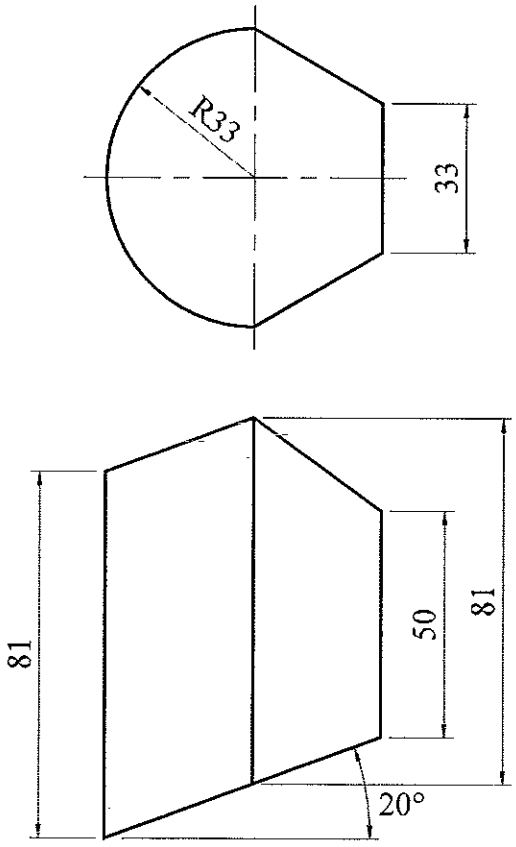

Figure Q4

Question 5

Draw the isometric view of the component given in Figure Q5 with the corner shown by the letter A in the foreground.

(25 Marks)

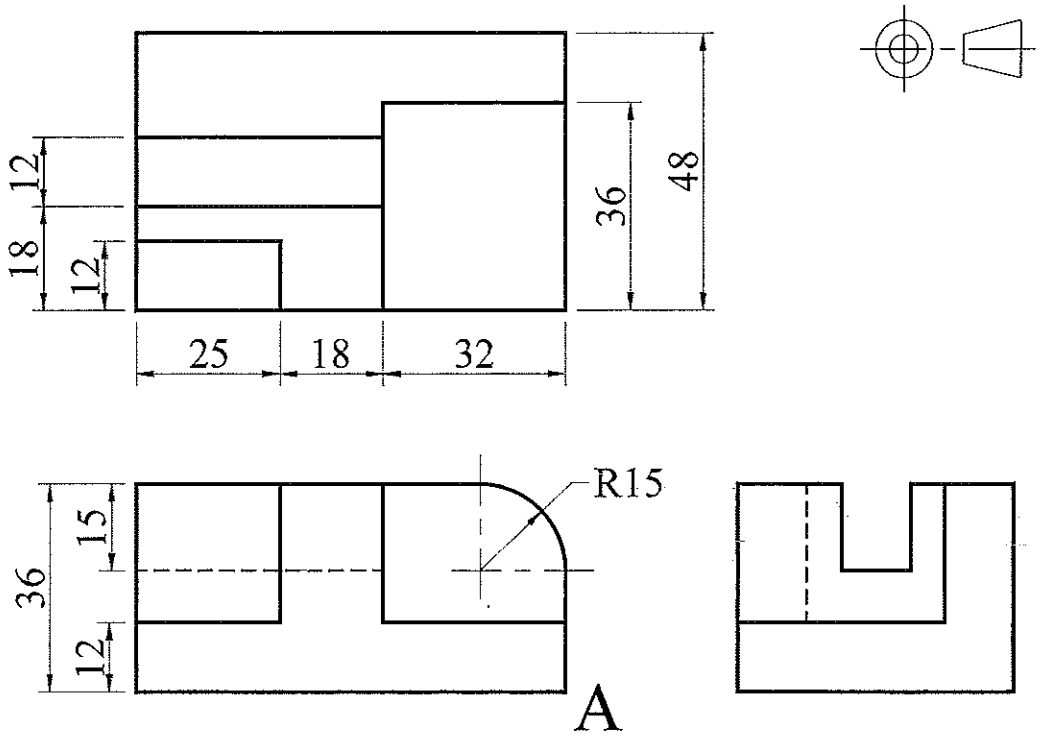

Figure Q5

Question 6

Figure Q6 shows an elevation *abc* and plan $a_1\ b_1\ c_1$ of a triangular lamina. Determine and state to the nearest millimeter, the true length of lines *AB*, *BC* and *AC*. Redraw the true shape of the triangle *ABC* using those true lengths

(25 Marks)

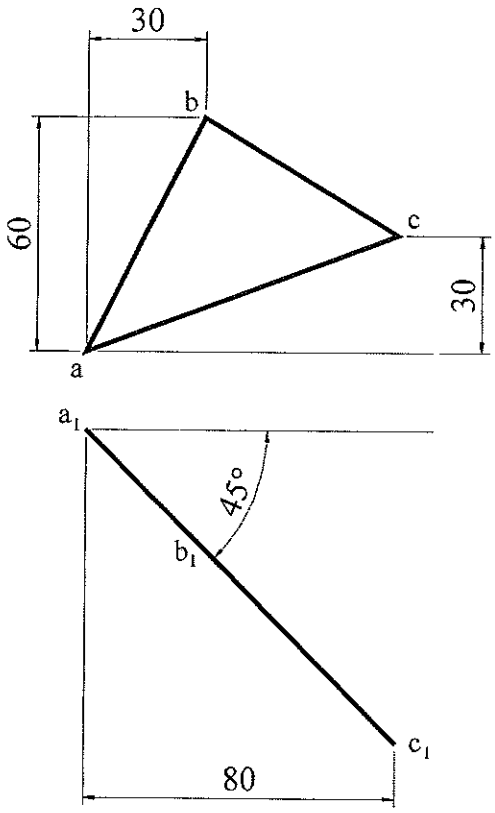

Figure 6

-The End-