INTI
International College Penang
LAUREATE INTERNATIONAL UNIVERSITIES*

FINAL
Examination Paper

(COVER PAGE)

Session	:	**August 2017**
Programme	:	Diploma in Electrical and Electronic Engineering (DEEI)
Course	:	**EGR1185: Engineering Drawing**
Date of Examination	:	14 December 2017 (Thursday)
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 :

Drawing Instruments and Calculator

Materials provided :

Drawing Paper

Examiner(s)	:	**Phua Chin Lai**
Moderator	:	Dr. Ooi Beng Lee

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

INTI INTERNATIONAL COLLEGE PENANG

DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING PROGRAMME (DEEI)
EGR 1185: ENGINEERING DRAWING
FINAL EXAMINATION: AUGUST 2017 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.

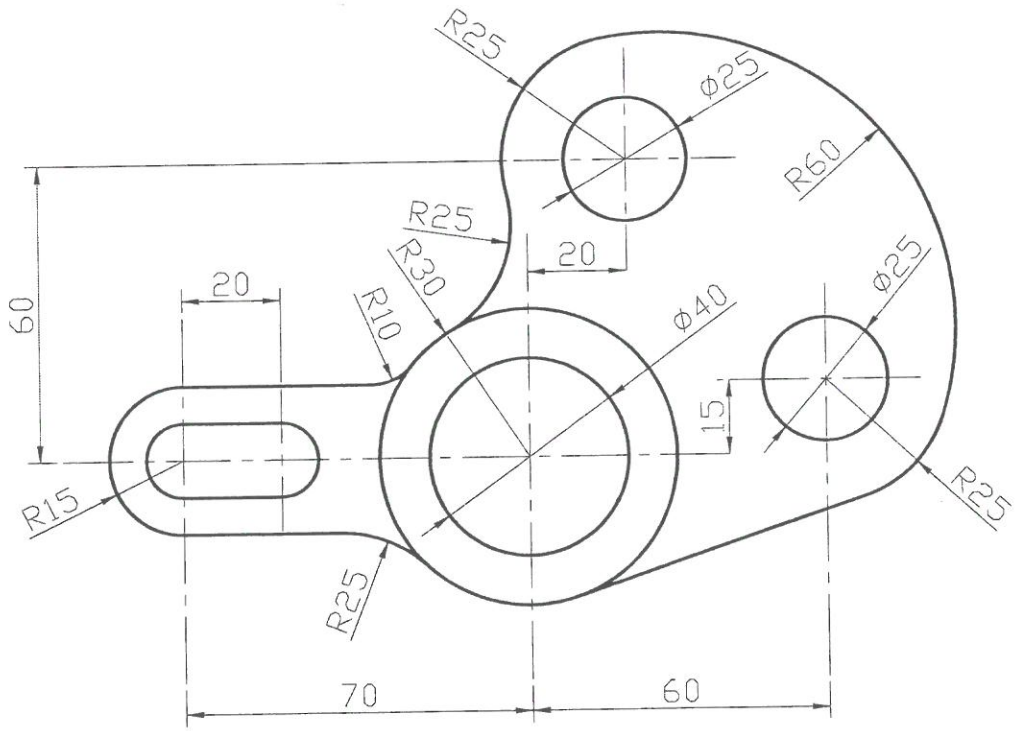
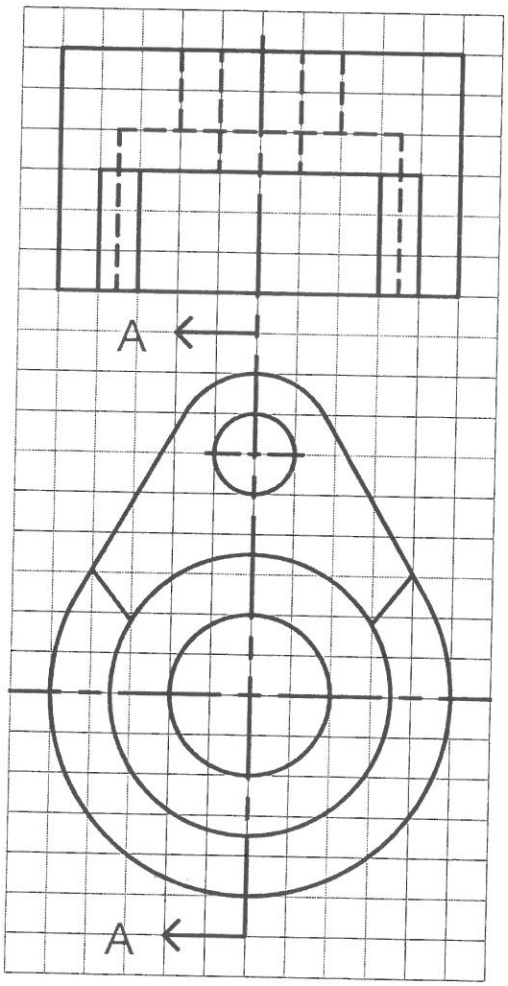


Figure Q1

Question 2

Refer to Figure Q2 and draw the following views in 3rd Angle Projection:

(a) the front view as given (4 marks)
(b) a top view as given (2 marks)
(c) a sectional A-A (19 marks)



1 grid = 1 cm

Figure Q2

Question 3

Draw the following views for the object below (Figure Q3) in 3rd Angle Projection with a scale of 2:1.

(i) Front view (9 marks)
(ii) Right view (7 marks)
(iii) Plan view (9 marks)

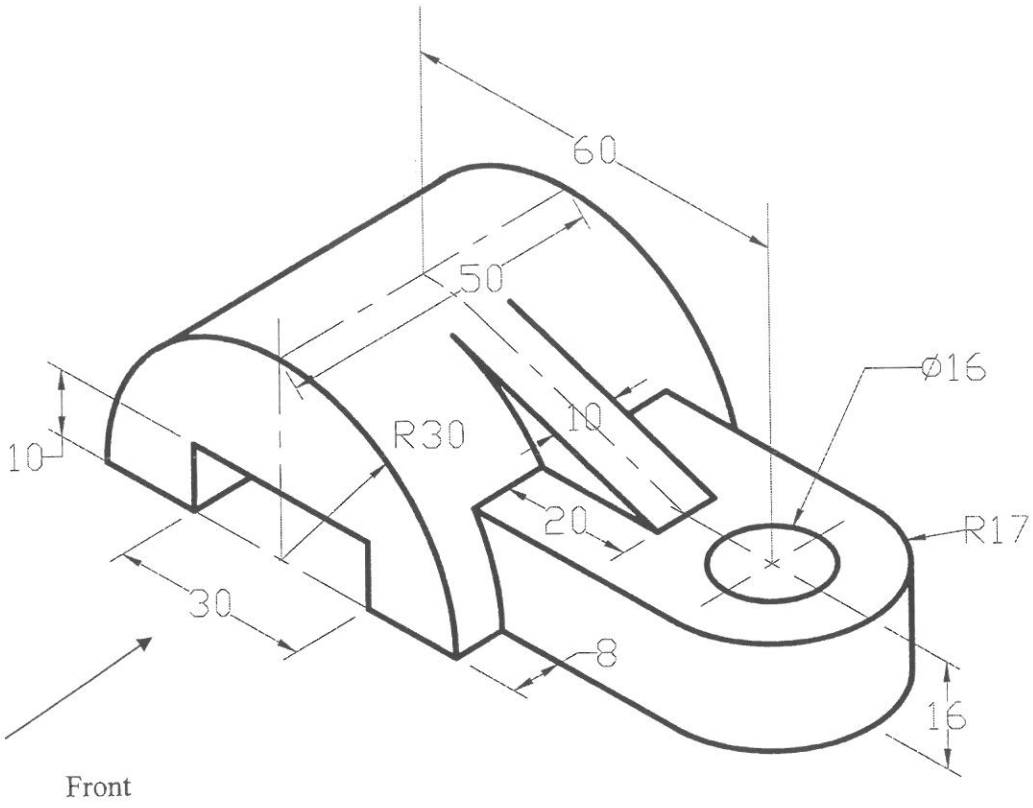


Figure Q3

Question 4

Draw oblique cabinet projection of the following object (Figure Q4, which is presented in 3rd angle projection) receding to right.

(25 marks)

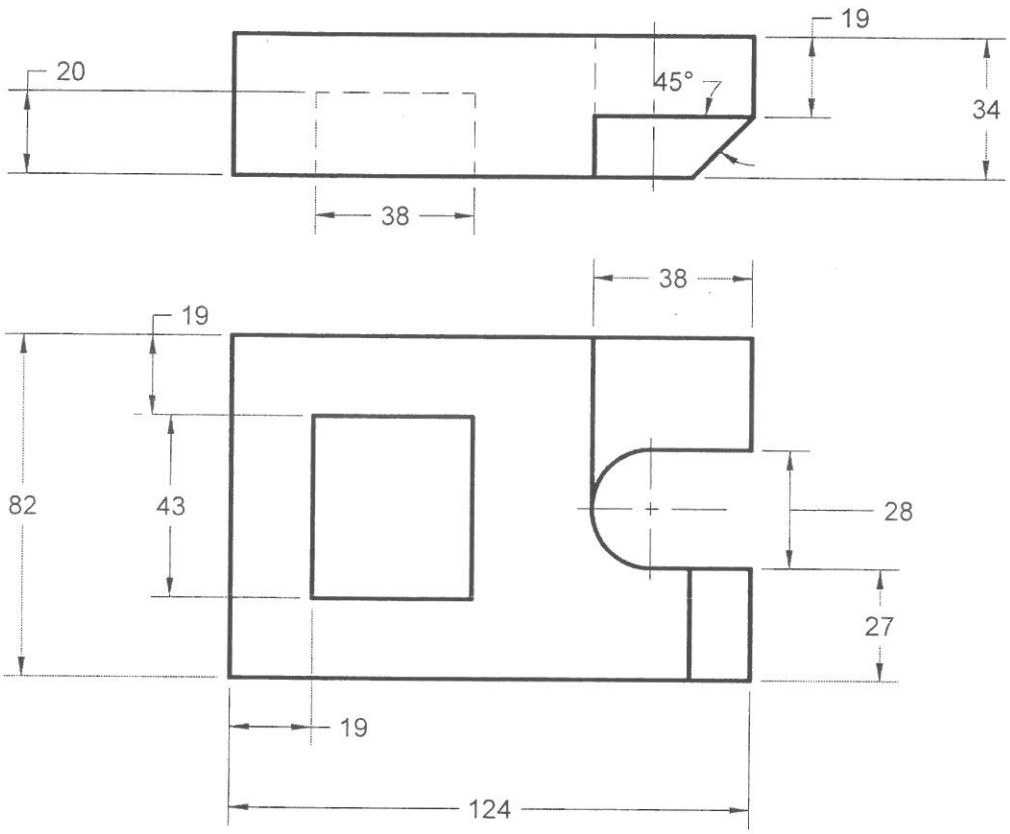


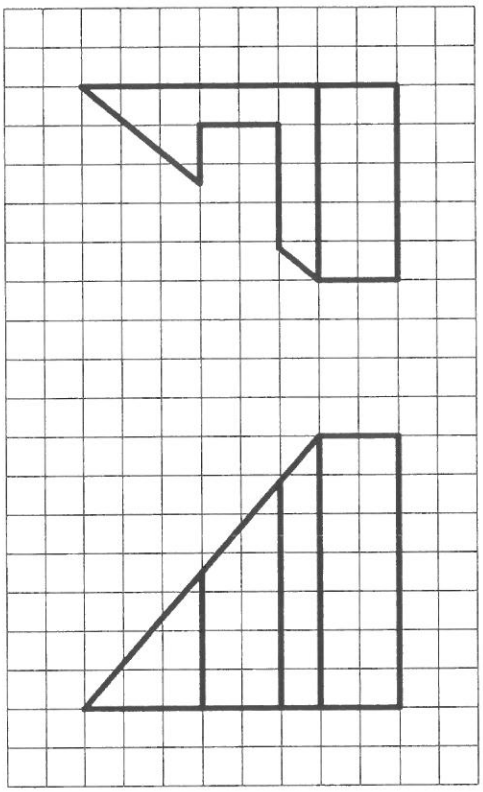
Figure Q4

Question 5

The front and plan views of the component shown in Figure Q5 below have been drawn in 3rd angle projection.

a) Draw the given front view & top view. (4 marks)

b) Add an auxiliary projection from the front view as shown, including all hidden lines (21 marks)



1 grid = 1 cm

Figure Q5

Question 6

The front and plan views of a hollow object without base and top are shown in Figure Q6. Redraw the views and draw a development of this object.

(25 marks)

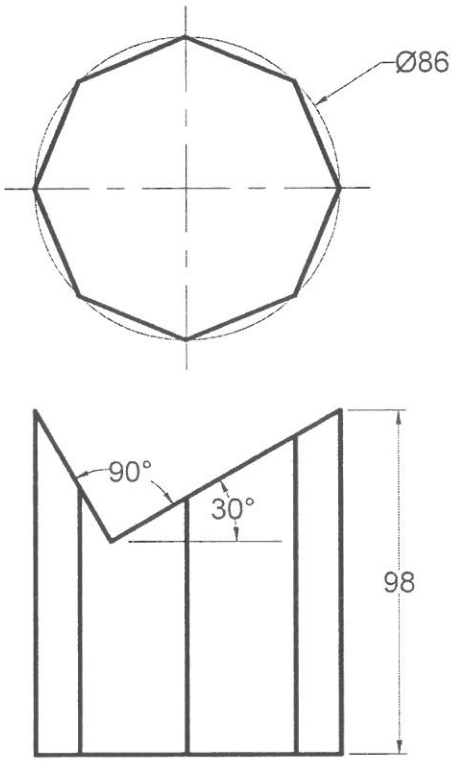


Figure Q6

-The End-