INTI International University & Colleges

FINAL
Examination Paper

(COVER PAGE)

Session	:	**April 2019**
Programme	:	Diploma In Mechanical Engineering (DMEN) Diploma In Electrical and Electronic Engineering (DEEI)
Course	:	**EGR1175/EGR1185 : Engineering Drawing**
Date of Examination	:	July 31, 2019 (Wednesday)
Time	:	11:00 am – 1:00 pm Reading Time : Nil
Duration	:	2 Hours
Special Instructions	:	

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

Materials permitted :
Drawing Instruments and Calculator

Material provided :
A2 Sized Drawing Paper

Examiner : **Manickampraslad Sambasivam** and Phua Chin Lai

Moderator : Mr Teh Thiam Oun

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

DIPLOMA IN MECHANICAL ENGINEERING PROGRAMME (DMEN)
DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING PROGRAMME (DEEI)
EGR1175/EGR1185: ENGINEERING DRAWING
FINAL EXAMINATION: APRIL 2019 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 the object shown in **Figure Q1** below. Your drawing must show all geometrical construction necessary to achieve a smooth outline and the correct positioning of circles. Exhibit clearly the centres of all arcs construction. Do not dimension your drawing.

(25 marks)

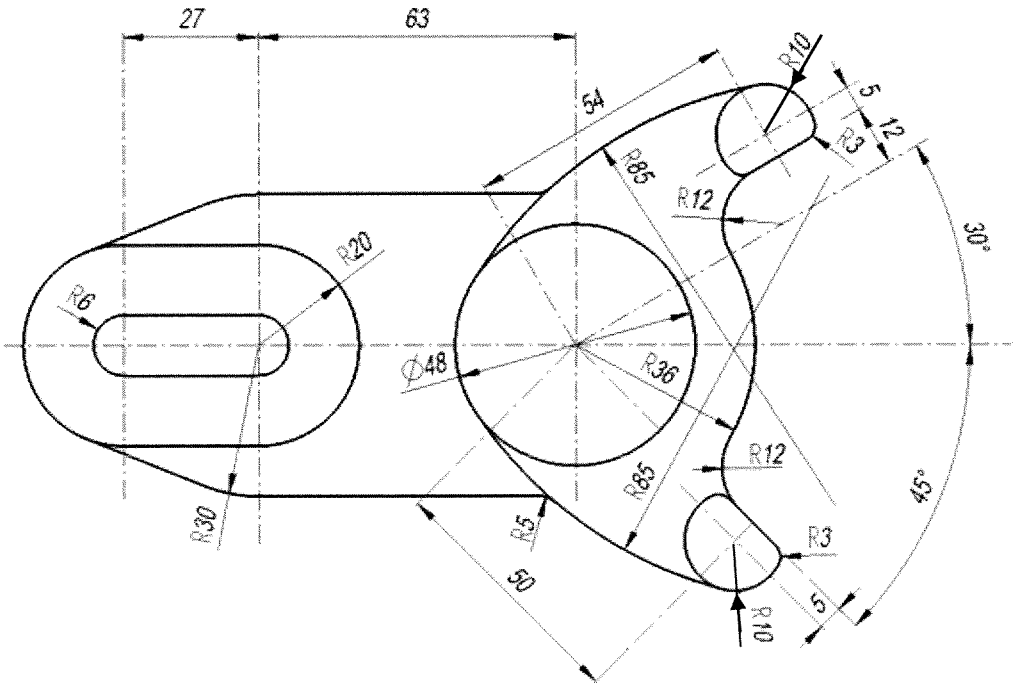

Figure Q1

Question 2

Draw the following views in 3rd Angle Projection.

(a) front view (indicated by arrow) (11 marks)

(b) right side view (6 marks)

(c) a Plan view (8 marks)

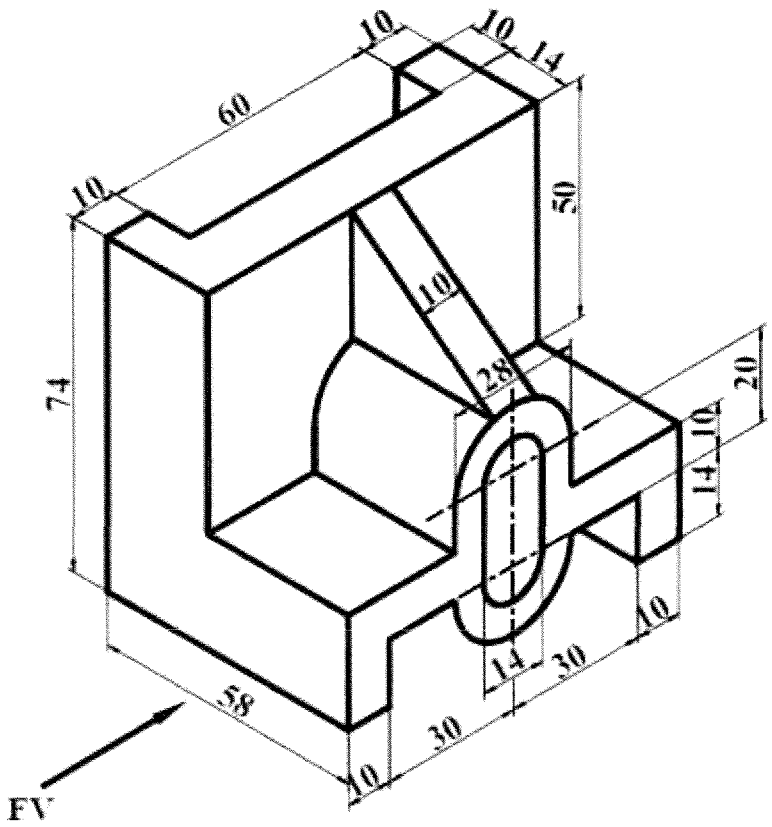

Figure Q2

Question 3

Figure Q3 is presented third angle projection, draw the followings in 3rd angle projection.

(i) the given views

(15 marks)

(ii) section AA

(10 marks)

Note: 1 grid = 10 mm

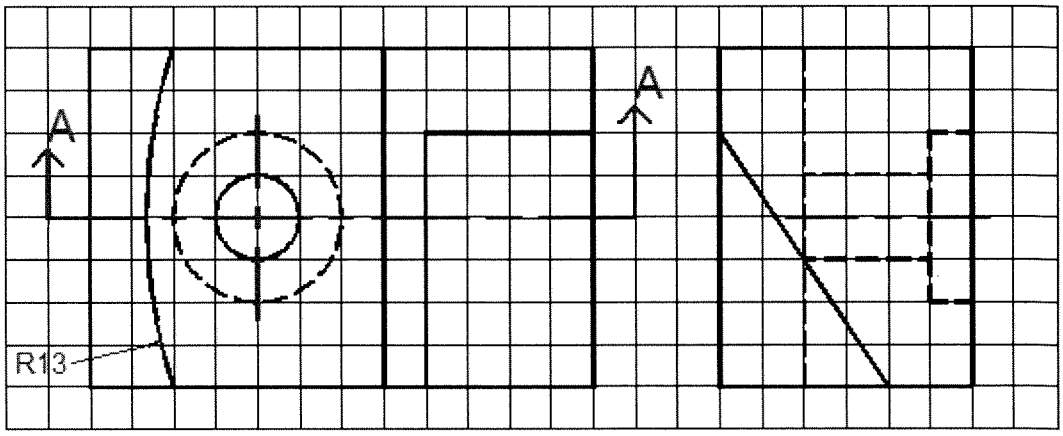

Figure Q3

Question 4

With a scale of 2:1, reproduce the given views (Figure Q4) of the plane and draw a view showing the true size and shape.

(25 marks)

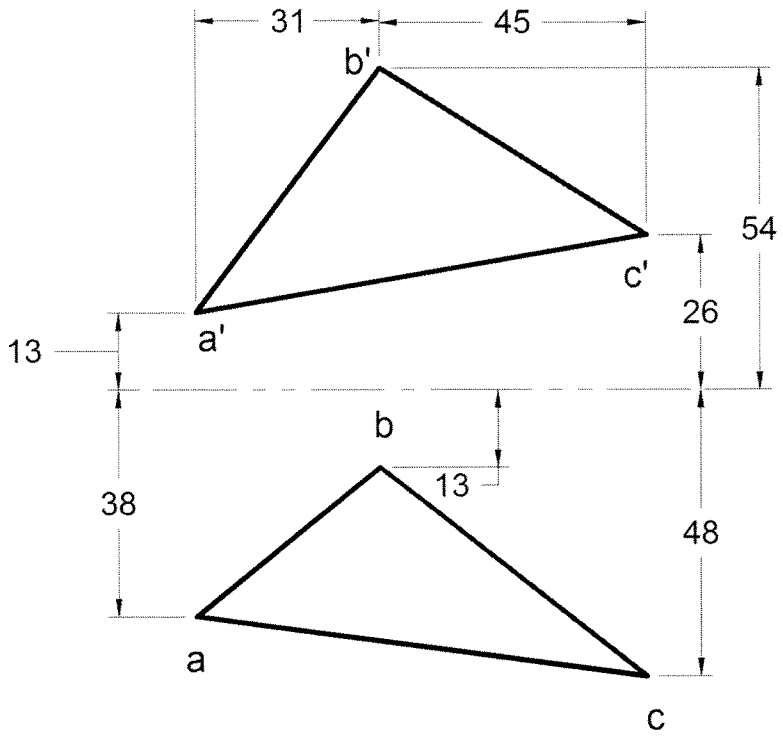

Figure Q4

Question 5

Two views of right regular hexagonal prism cut at both end by section planes and resting on its lower cut end on ground are shown in Figure Q5. Redraw the views and develop its lateral surface start from joint XX.

(25 marks)

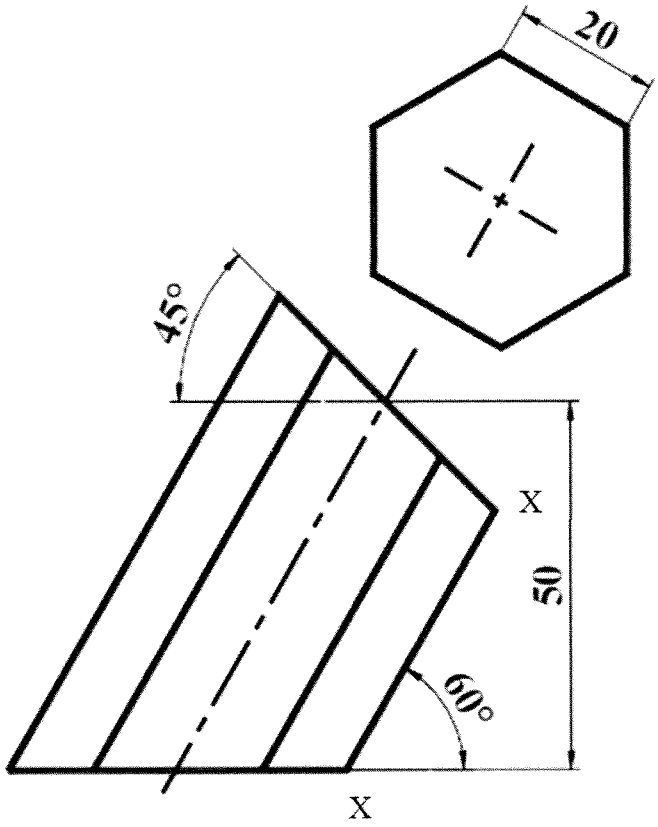

Figure Q5

Question 6

Draw the isometric view of the component given in Figure Q6 with the corner shown by the letter A in the foreground. The object has been drawn using Third Angle Projection.

(25 marks)

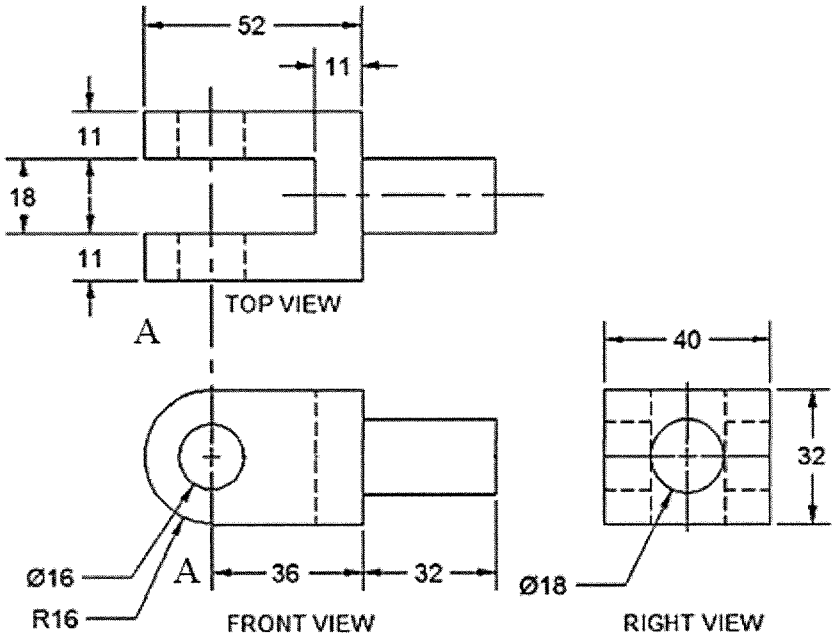

Figure Q6

-THE END-