INTI International University & Colleges

FINAL
Examination Paper

(COVER PAGE)

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| Session | : **August 2019** | |
| Programme | : Diploma in Electrical and Electronic Engineering (DEEI) | |
| Course | : **EGR1185 : Engineering Drawing** | |
| Date of Examination | : December 12, 2019 (Thursday) | |
| 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**

Moderator : Mr Teh Thiam Oun

*This paper consists of **6** printed pages, including the cover page.*

DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING PROGRAMME (DEEI)
EGR1185: ENGINEERING DRAWING
FINAL EXAMINATION: AUGUST 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.

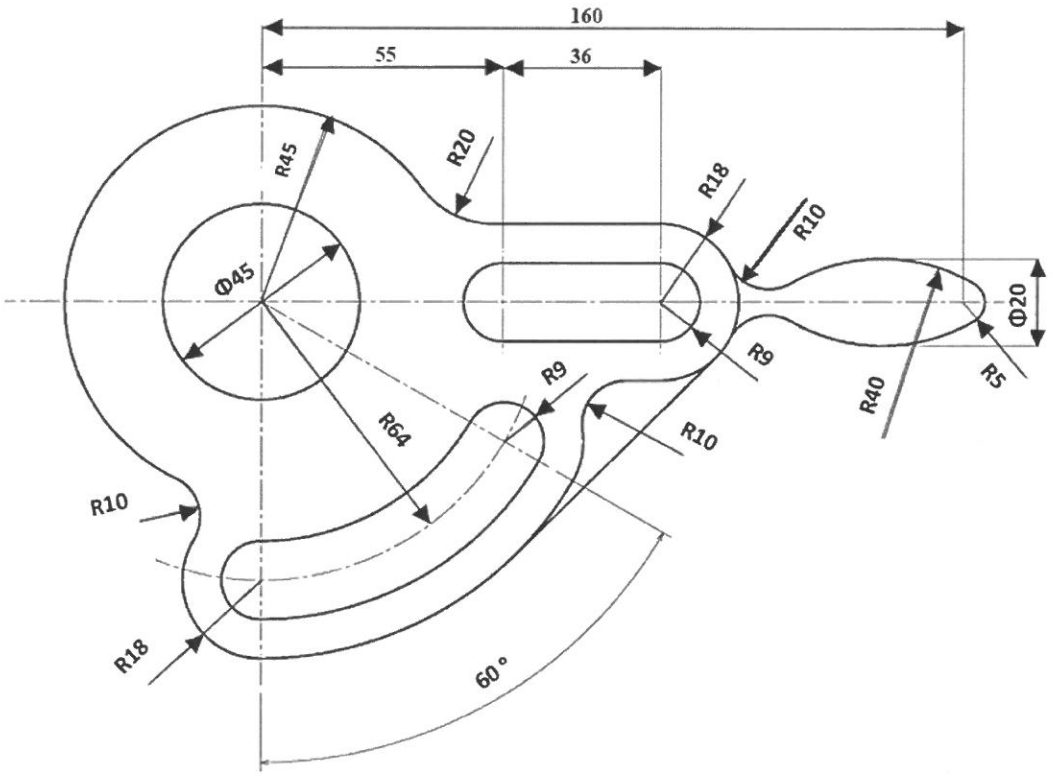


**Figure Q1**

(25 marks)

**Question 2**

Draw the following views in 1st Angle Projection.

(a) front view (indicated by arrow) (9 marks)

(b) top view (8 marks)

(c) left side view (8 marks)

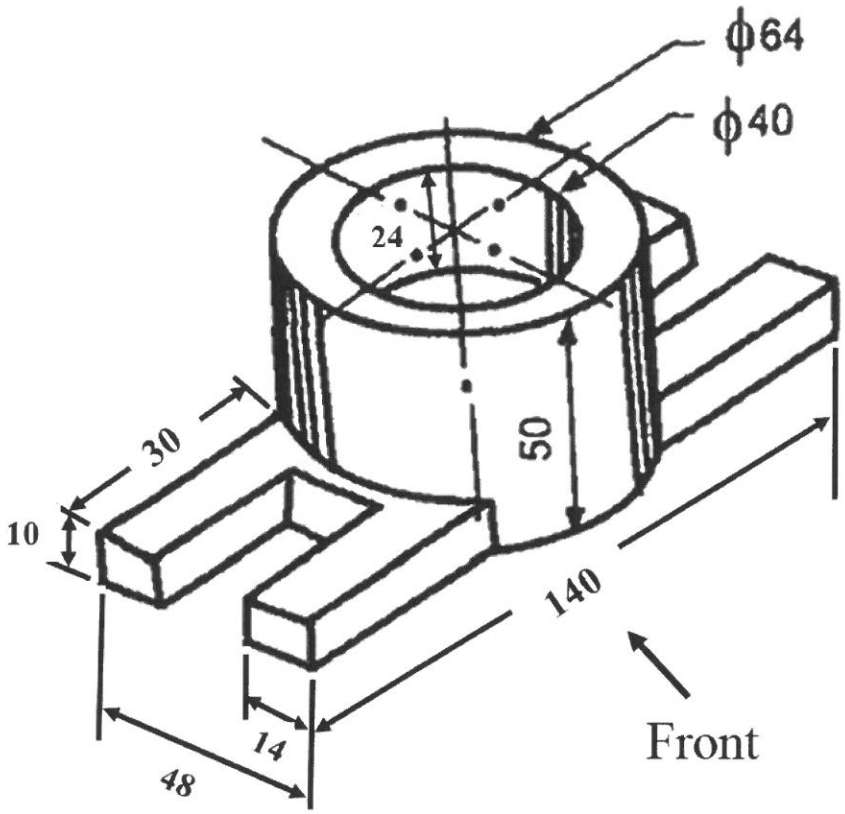


**Figure Q2**

**Question 3**

The front view and top view of an object given in first angle projection Figure Q3 below. Draw:-

(a) Redraw the front view, (7 marks)

(b) Sectional top view (section BB), and (9 marks)

(c) Side view from right. (9 marks)

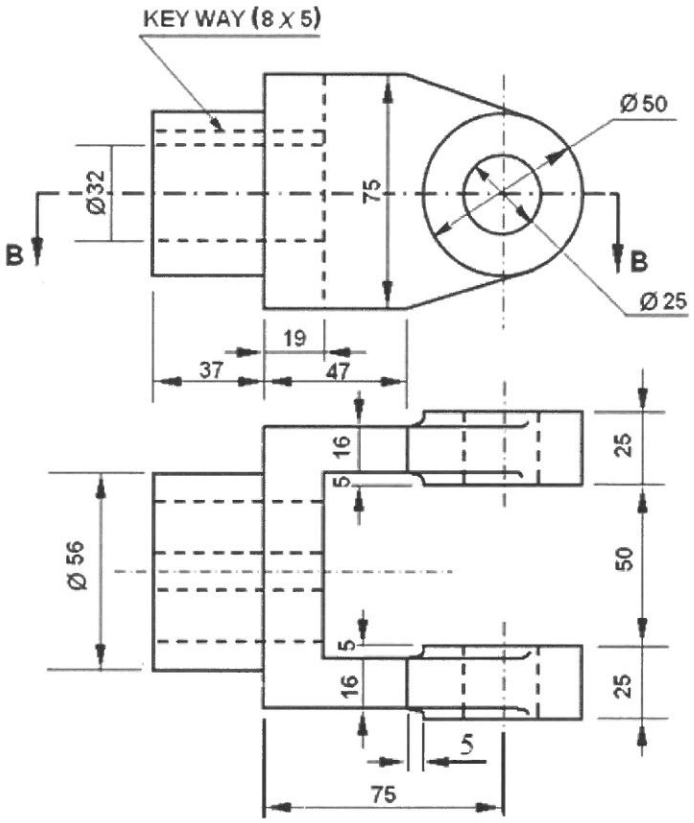


**Figure Q3**

**Question 4**

A line AB 90 mm long measure 72 mm in front view and 65 mm in top view. Draw the two views of the lines if it fully lies in first quadrant. Find the inclination of the lines. Assume point "A" 25 mm above HP and 20 mm in front of VP. Specify the angle of θ, α, β and Φ.

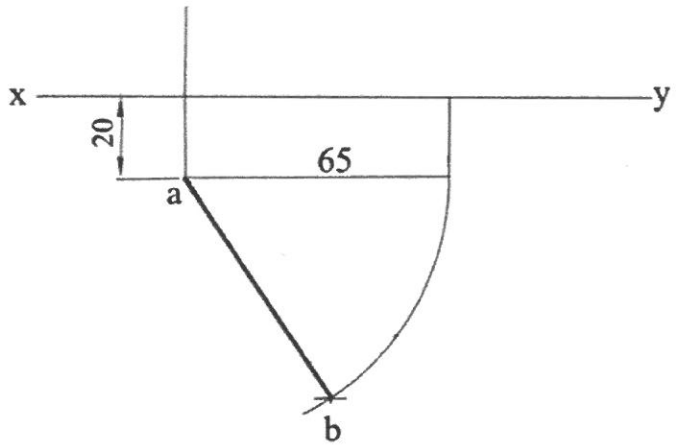


**Figure Q4**

(25 marks)

**Question 5**

Figure Q5 below shows front view of a cut cylinder with base diameter 60 mm with its axis parallel to V.P. and perpendicular to H. P. Draw the development of the lateral surface of the part P of the cylinder.

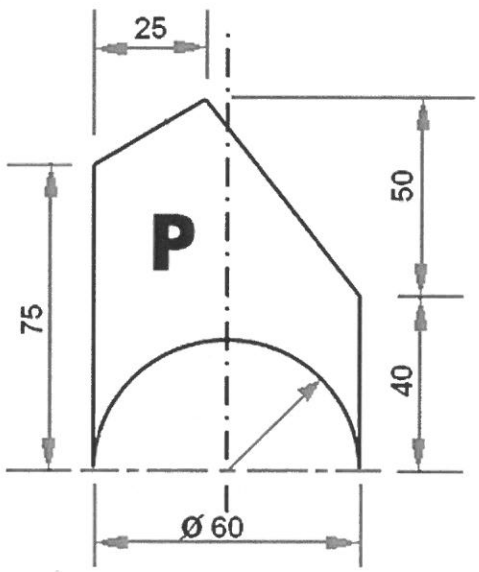


**Figure Q5**

(25 marks)

**Question 6**

Draw the isometric view of the component given in **Figure Q6**. The object drawn using First Angle Projection.

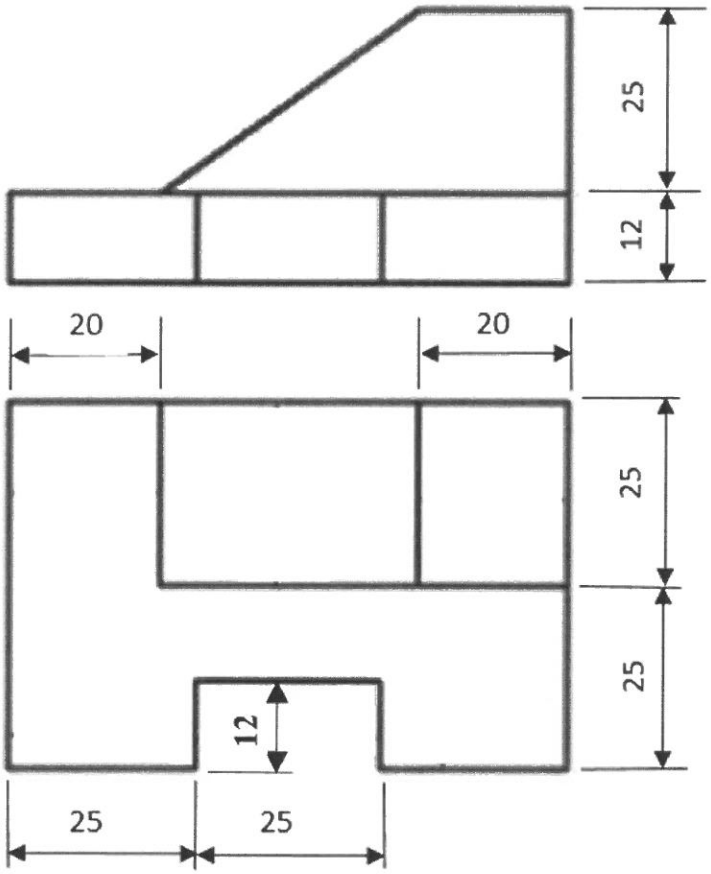


**Figure Q6**

(25 marks)

**-THE END-**