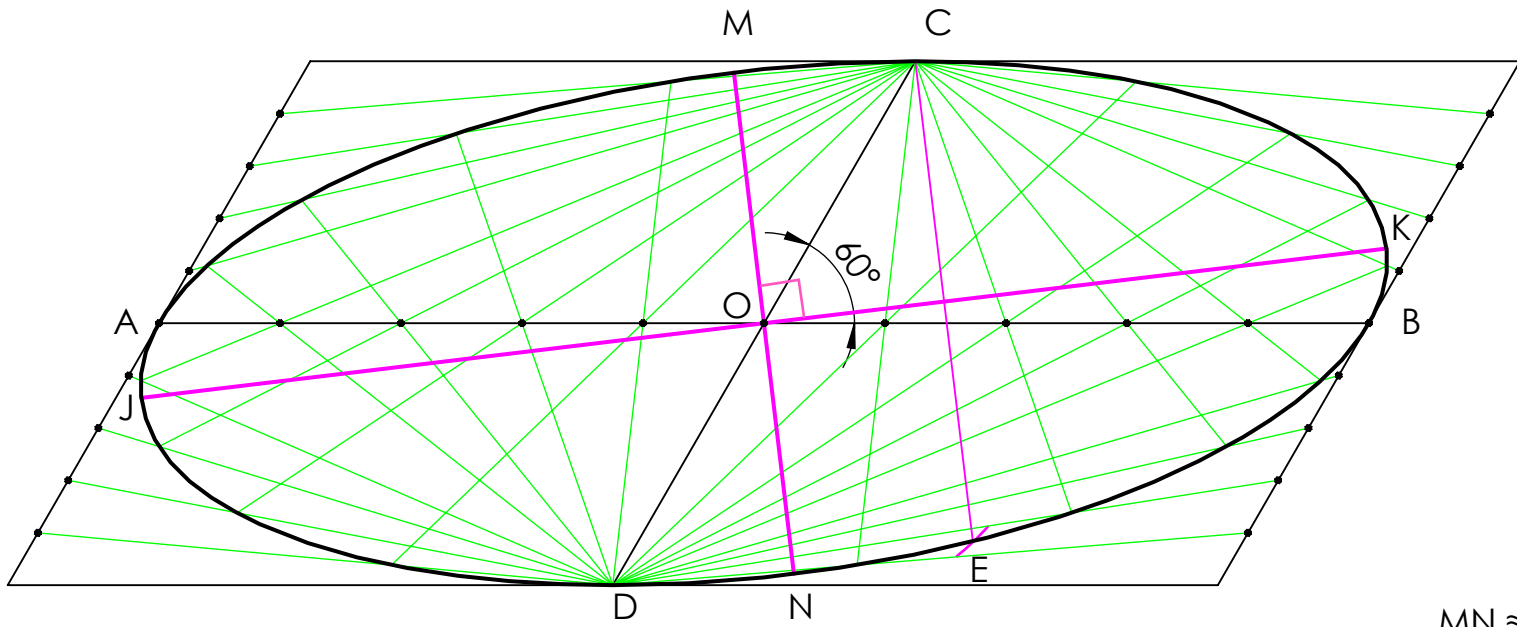


MID SEM Q1

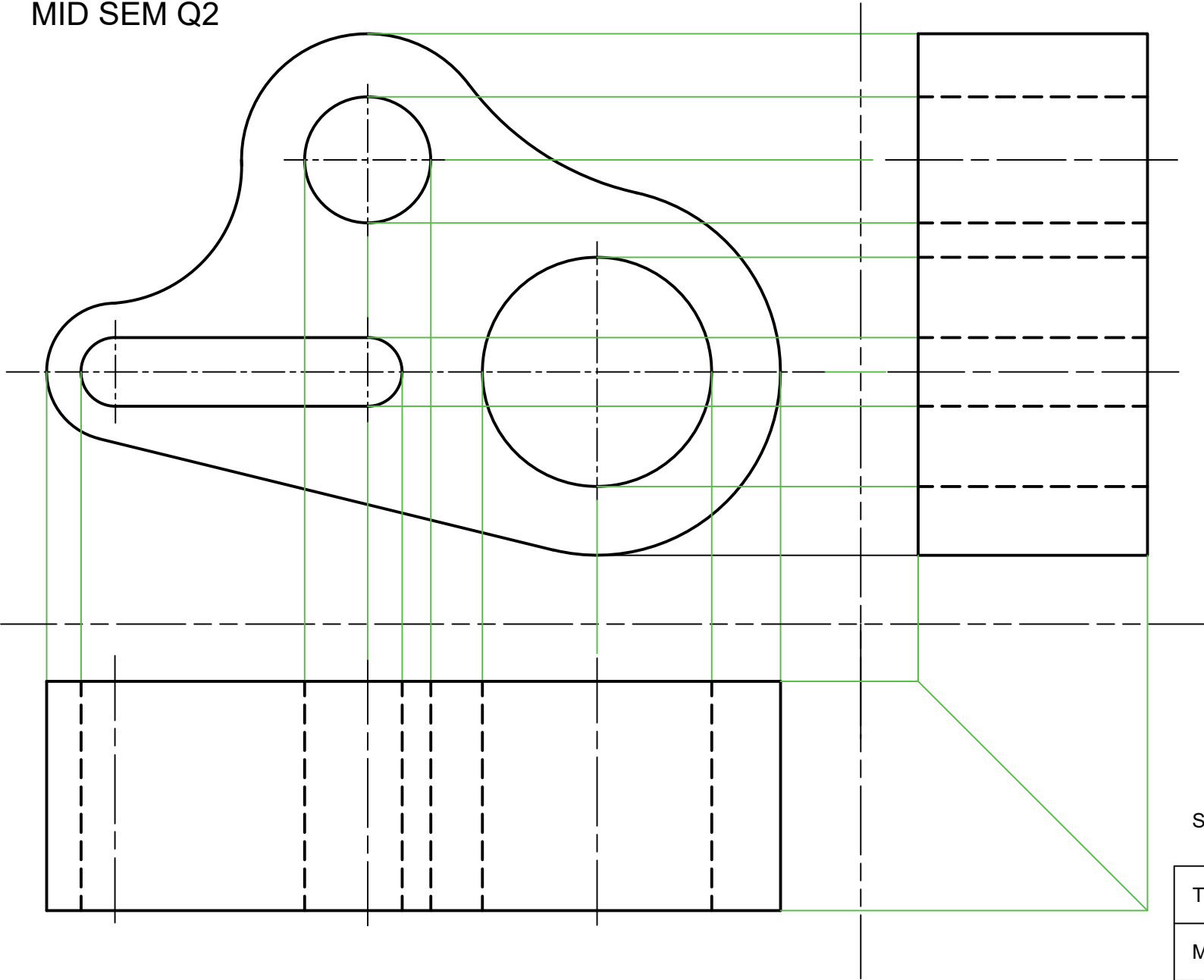


MN ≈ 67mm  
JK ≈ 166mm

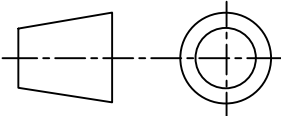
SCALE: 1:1

TA101AA: ENGINEERING GRAPHICS		
MID SEMESTER EXAMINATION		
NAME	ROLL NO.	SECTION
DATE	SIGNATURE	

MID SEM Q2

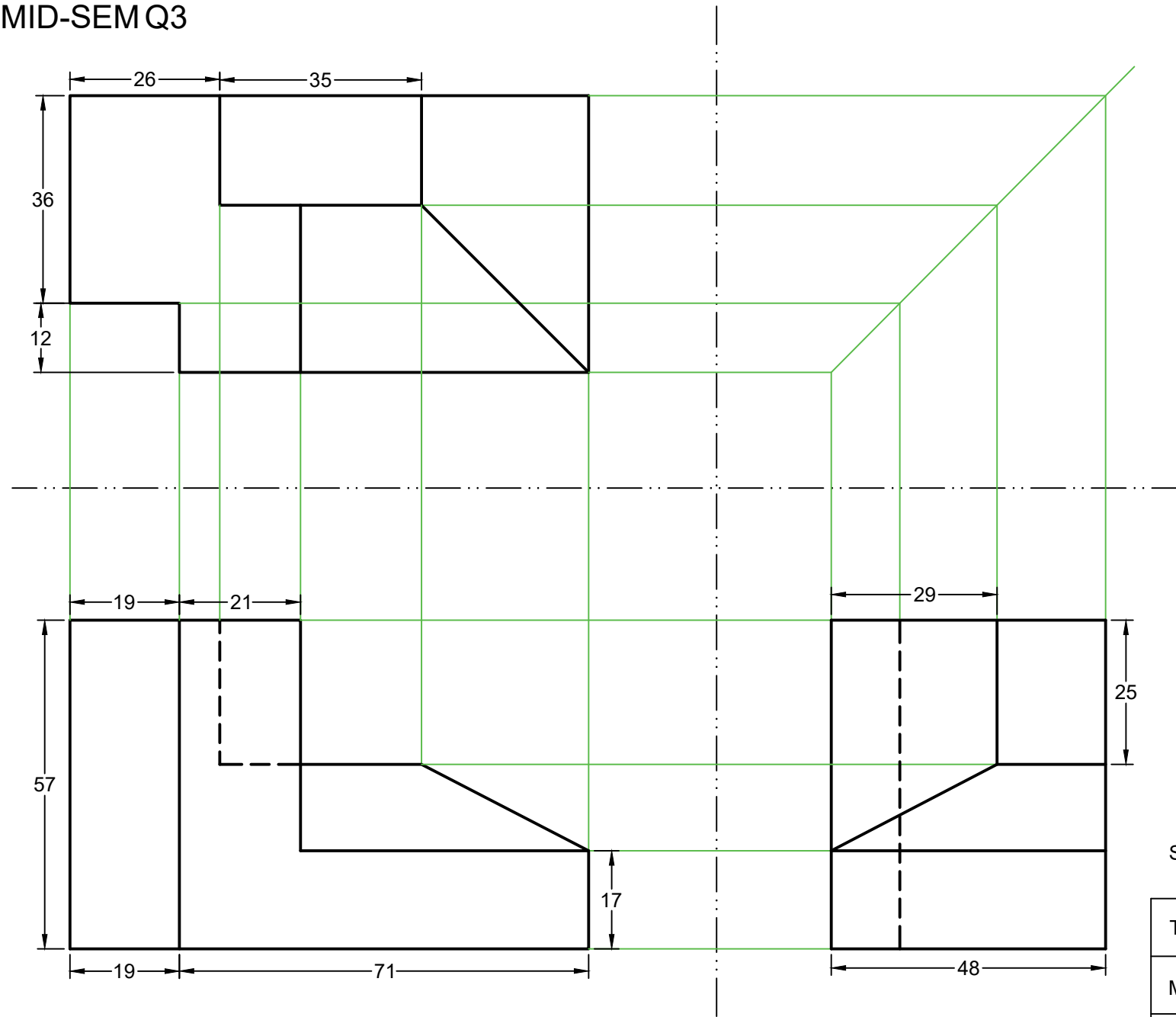


SCALE: 1:1

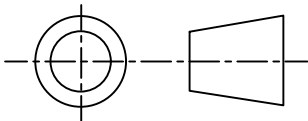


TA101AA: ENGINEERING GRAPHICS		
MID SEMESTER EXAMINATION		
NAME	ROLL NO.	SECTION
DATE	SIGNATURE	

MID-SEM Q3

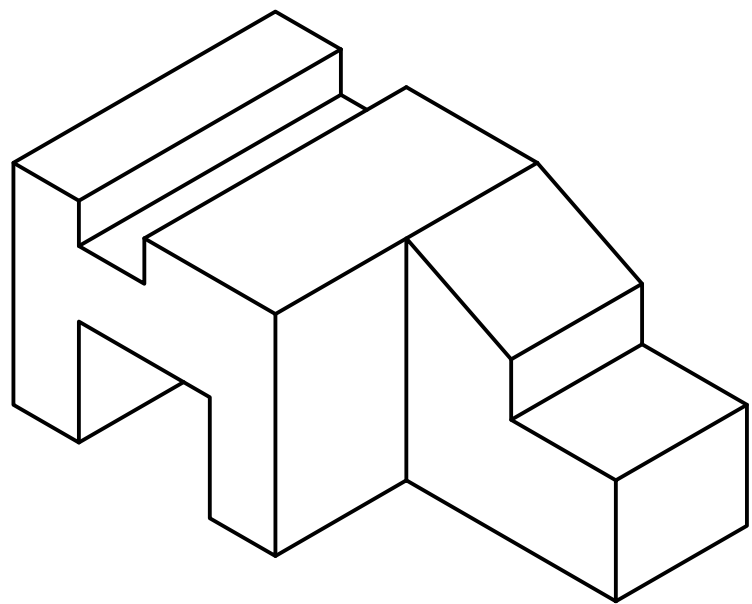


SCALE: 1:1



TA101AA: ENGINEERING GRAPHICS		
MID SEMESTER EXAMINATION		
NAME	ROLL NO.	SECTION
DATE	SIGNATURE	

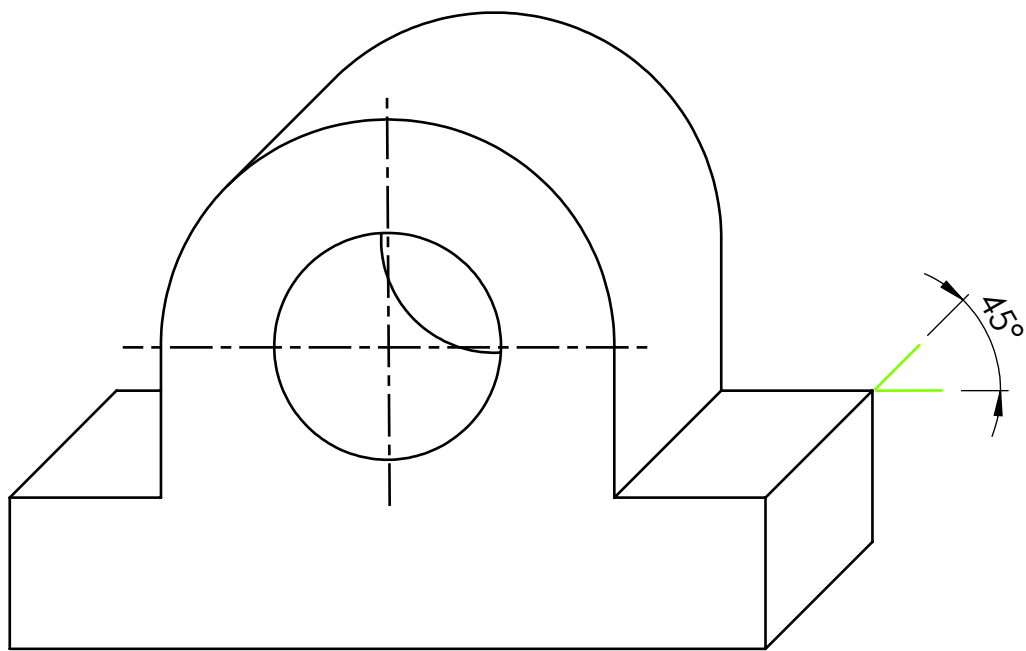
MID SEM Q4



SCALE: 1:1

TA101AA: ENGINEERING GRAPHICS		
MID SEMESTER EXAMINATION		
NAME	ROLL NO.	SECTION
DATE	SIGNATURE	

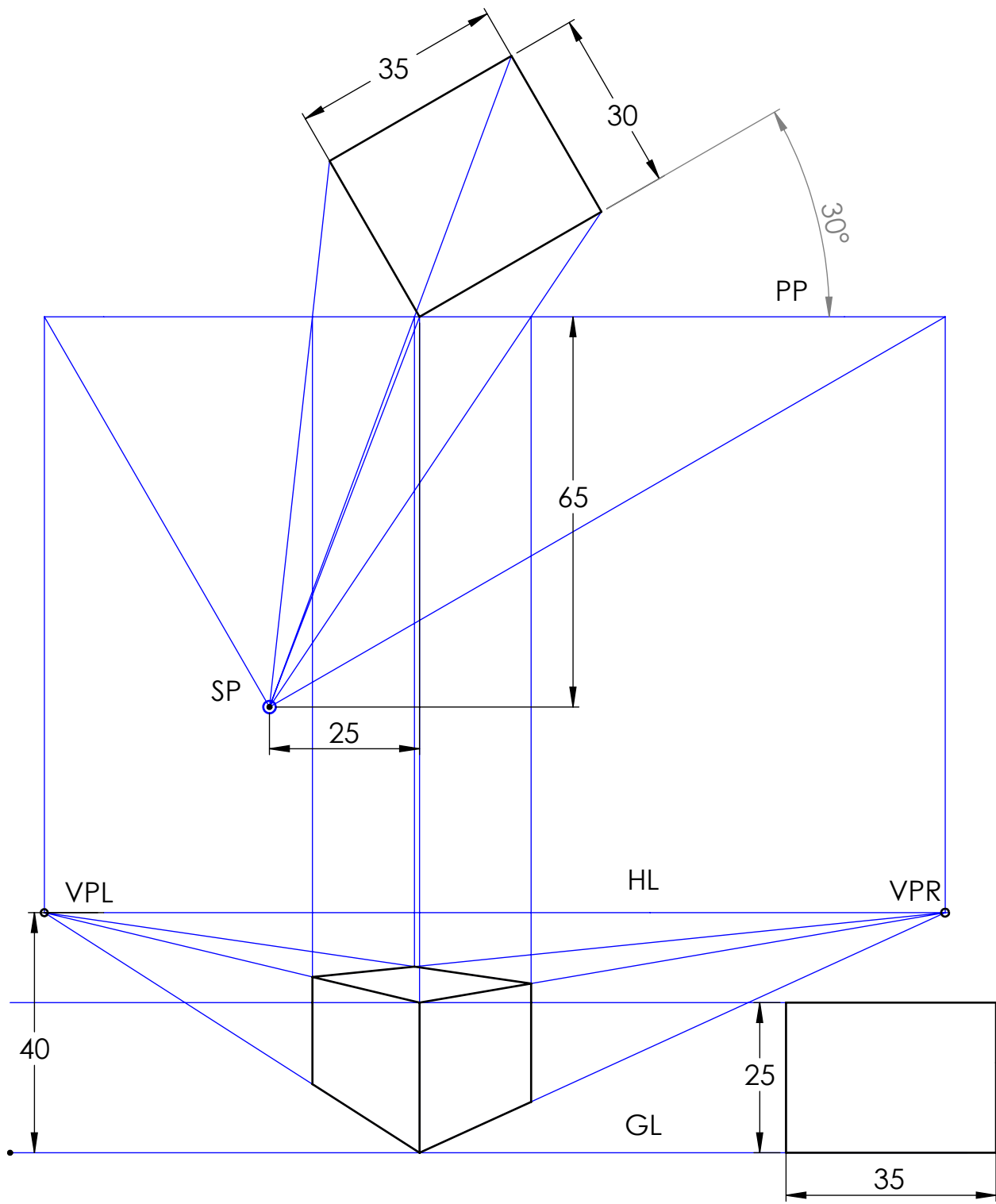
MID SEM Q5



SCALE: 1:1

TA101AA: ENGINEERING GRAPHICS		
MID SEMESTER EXAMINATION		
NAME	ROLL NO.	SECTION
DATE	SIGNATURE	

MID SEM Q6



SCALE: 1:1

TA101AA: ENGINEERING GRAPHICS		
MID SEMESTER EXAMINATION		
NAME	ROLL NO.	SECTION
DATE	SIGNATURE	

## Mid Sem Exam Make-up: Sem – II (2020-2021)

### TA101AA Engineering Graphics

Total Time : 2 hrs 10:00 to 12:00 Upload time 20 mins till 12:20 pm. Date 07 June 2021

After you have answered, scan all the sheets, and make one pdf file for upload to MOOKIT.

Name the file as: MS - roll no – name.pdf

Question paper contains a TOTAL of 6 questions. Each question carries the same marks, i.e., 15 marks even though all of them are not equally difficult. Total marks is 90.

**NOTE:** Carefully plan the drawing before starting so that it fits in the sheet.

Q1. (a) Draw an ellipse having conjugate diameters of 120 mm and 60 mm with an angle of 60 degrees between them, using the circle method.

(b) Find the major and minor diameters of the ellipse and mark them with dark continuous lines using HB pencil. **Do not dimension.** Measure and write down the major and minor diameters on your sheet. **Use scale 1:1.**

Q2. Draw the front and top views of the machine part given below. The machine part has a uniform depth of 40 mm and the front view is as given below. Use **First Angle projection and do not dimension the drawing.** Use **scale 1:2.** Note the tangent arcs to circles in the front view carefully and locate their centers properly. Place your front view judiciously so that centers of tangent arcs are on the sheet itself.

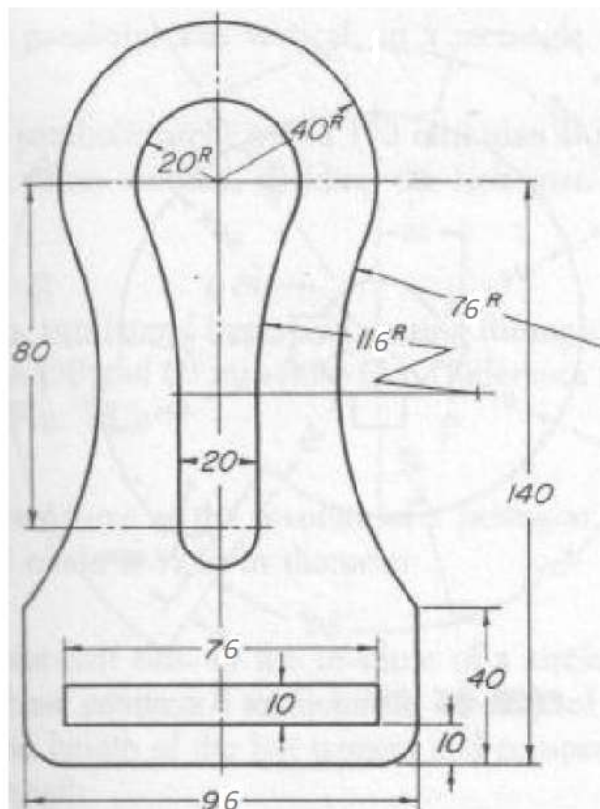


Figure for question 2

Q.3. Draw the front, top and right side views of the object given below. The front view shows the width dimension of 100 mm. Use **Third Angle projection scheme** and **dimension the drawing using unidirectional dimensioning system with the dimension value mentioned within the dimension line**. Use scale 1:1. (15 Marks)

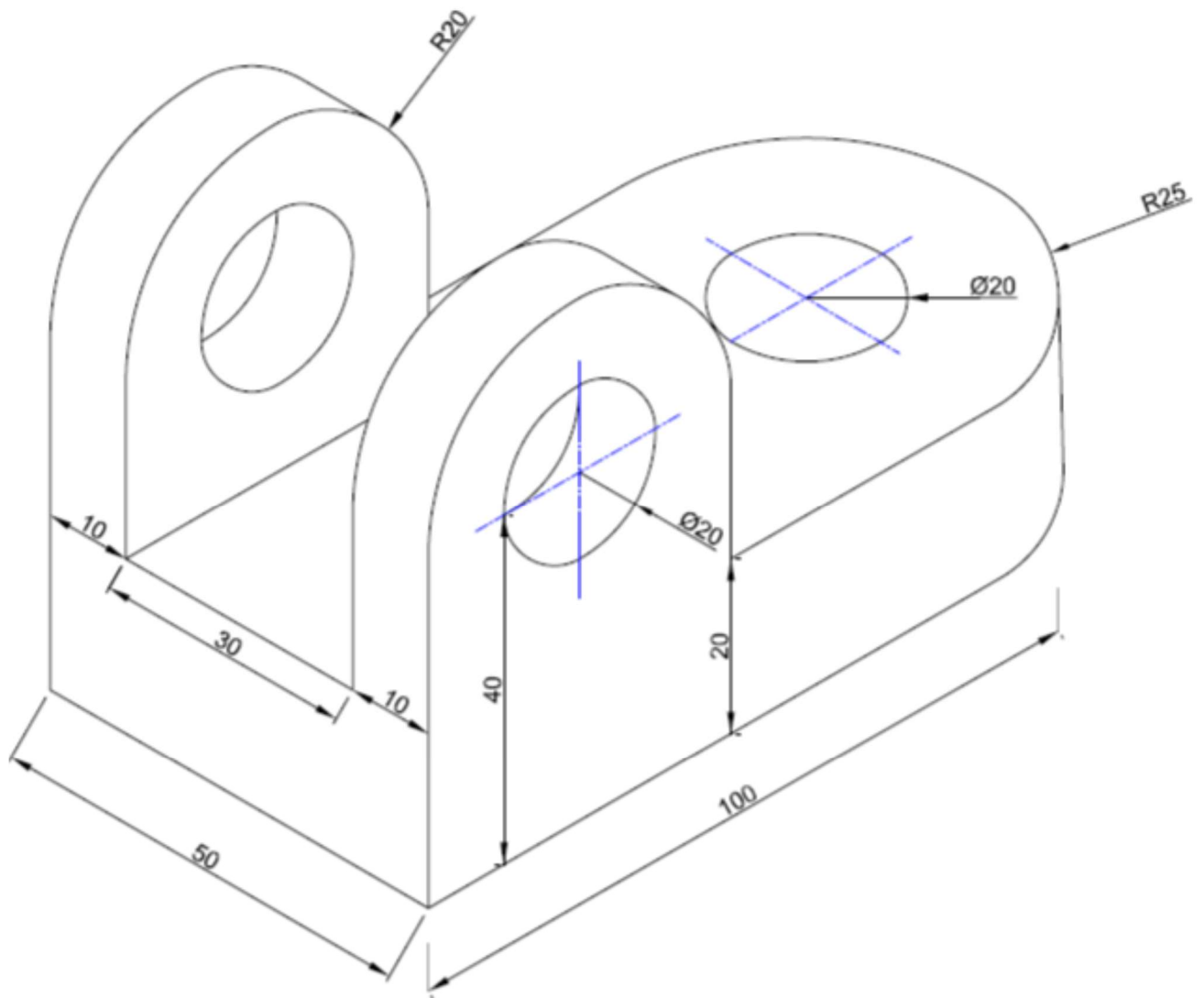


Figure for Question no 3

Q4. Draw the **isometric drawing** of the object whose orthographic views are as given in the figure on the next page (Third angle projection showing Front and Top views). **Do not dimension the drawing**. Note: Start the drawing by placing the front view on the left side of the isometric drawing box. (15 Marks)



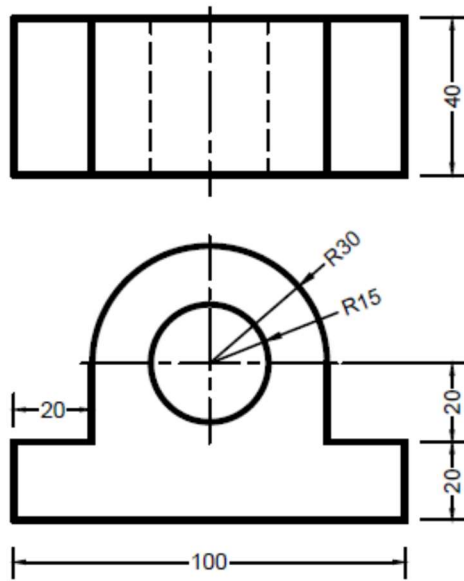


Figure for question no. 4

Q5. Draw the **Cavalier oblique** view of the object shown in Figure below (**Front, Top and right side views in third angle projection**). Take the depth direction receding axis to be  $45^\circ$  to the right and up. **Do not dimension.**

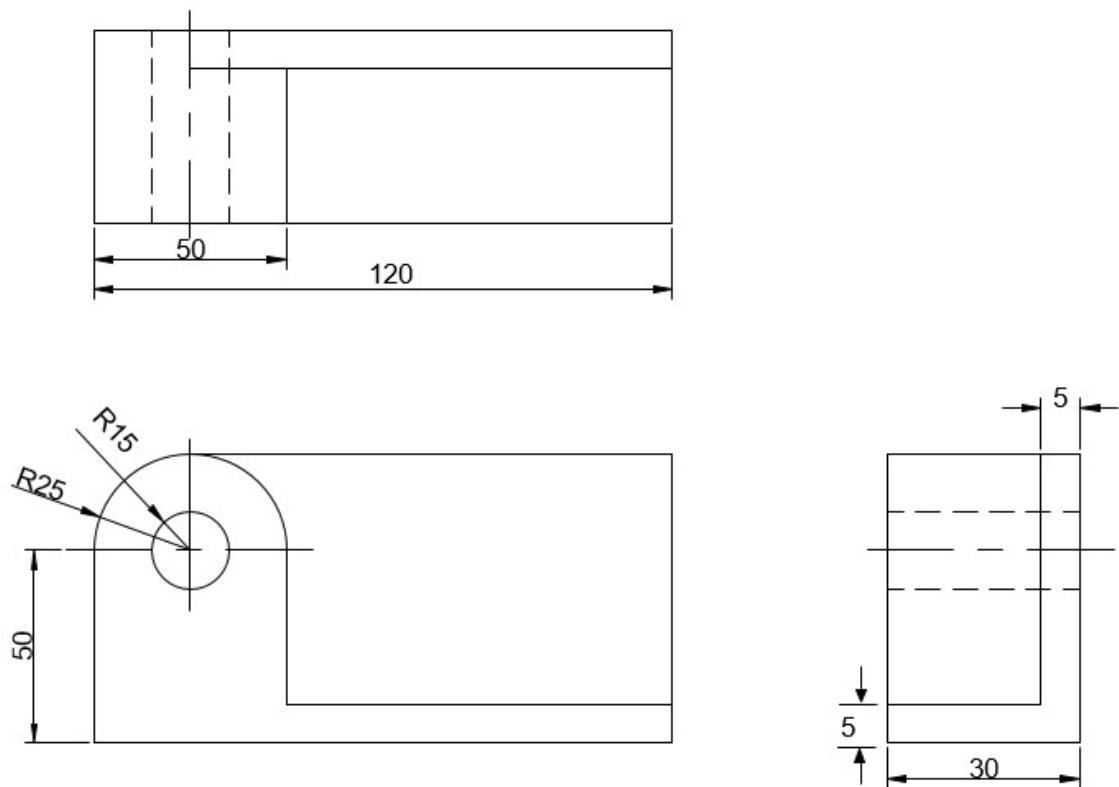


Figure for question no. 5

Q6. The top view of an object along with the picture plane and the station point is shown in Figure below. Also shown is the isometric view of the object. Draw a **two point (angular) perspective view of the object** when the horizon line is 40 mm above the ground line. Assume 1:1 scale. **Do not dimension the drawing.**

(15 Marks)

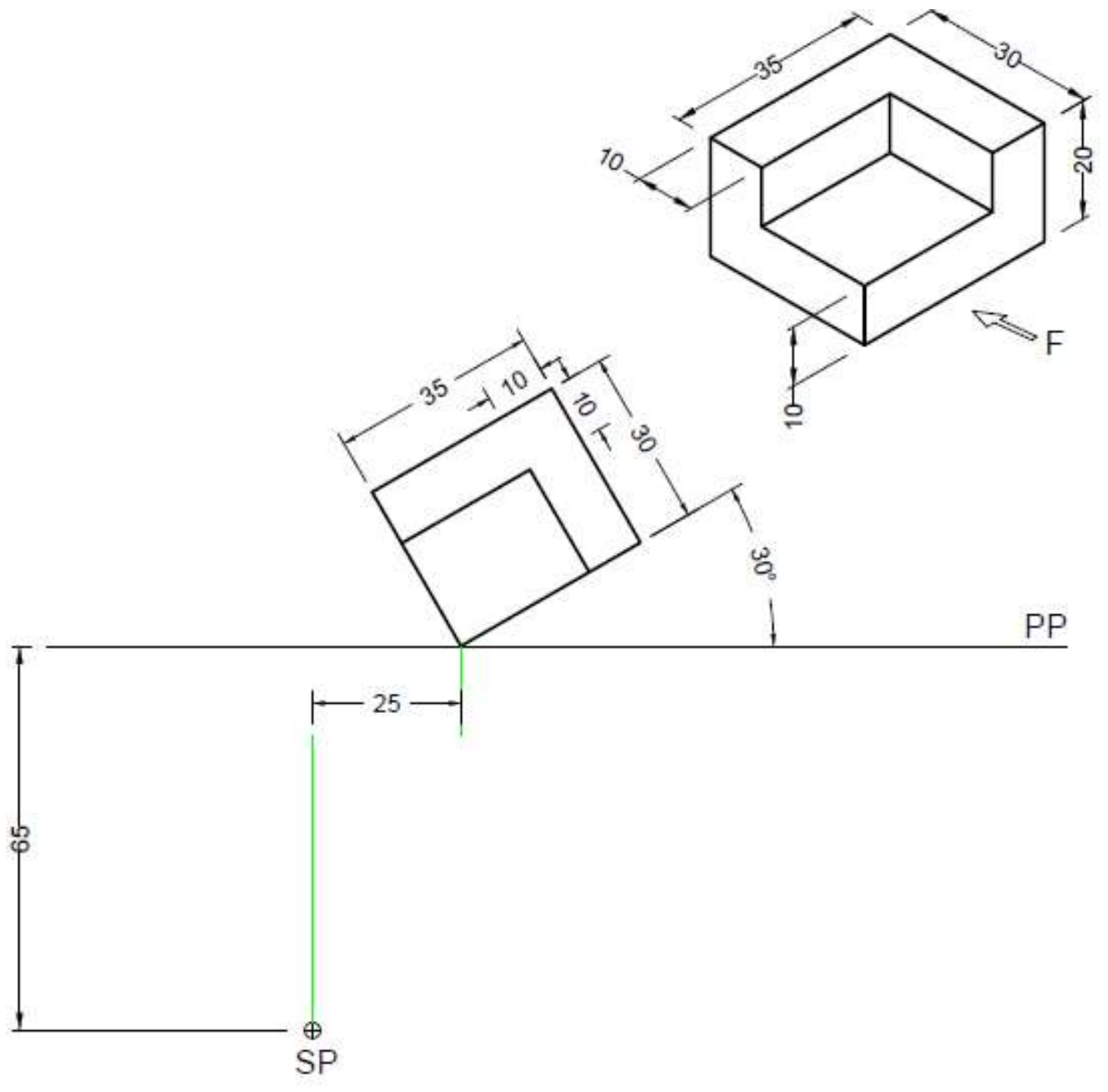


Figure for question no. 6

## Mid Sem Exam: Sem – I (2020-2021) TA101AA Engineering Graphics

Total Time : 2 hrs 10:00 to 12:00 Upload time 20 mins till 12:20 pm. Date 30 Dec 2020

After you have answered, scan all the sheets, and make one pdf file for upload to MOOKIT.

Name the file as: MS - roll no – name

Question paper contains a TOTAL of 6 questions

**NOTE:** Carefully plan the drawing before starting so that it fits in the sheet.

Marks

Q1. (a) Draw an ellipse having conjugate diameters of 140 mm and 80 mm with an angle of 65 degrees between them, using the Parallelogram method. (b) Find the major and minor diameters of the ellipse and mark them with dark continuous lines using HB pencil. **Do not dimension. Use scale 1:1.**

15

Q2. Draw the machine part as shown below. Carefully note the various features like arc tangent to two circles, etc. **Use scale 1:1.** DO not dimension.

15

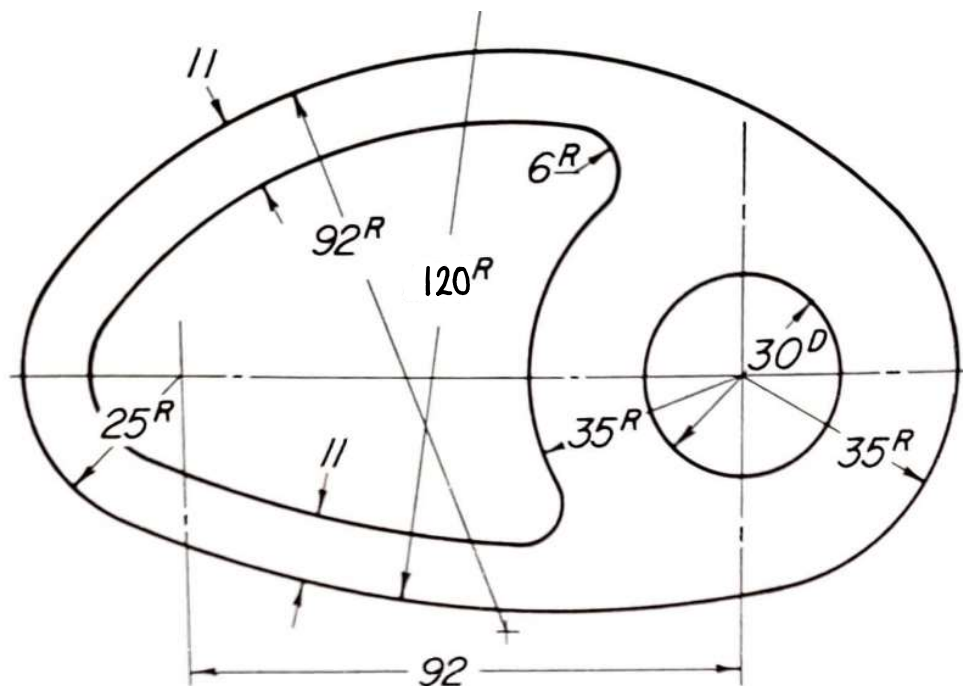


Figure for question 2

Q.3. Draw the front, top and right side views of the object given below. Use **Third Angle projection** and **do not dimension the drawing**. Use scale 1:1.

20

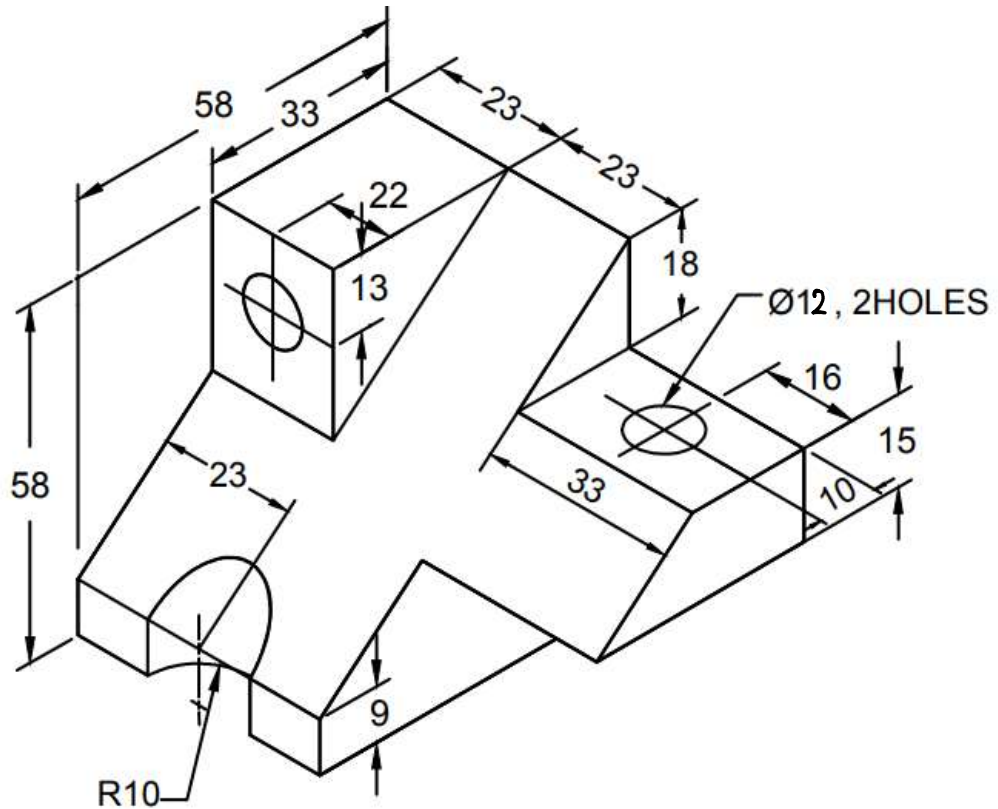


Figure for Question no 3

Q4. Draw the front and top views of the object given below. Use **First Angle projection** and **dimension the drawing**. Use scale 1:1.

20

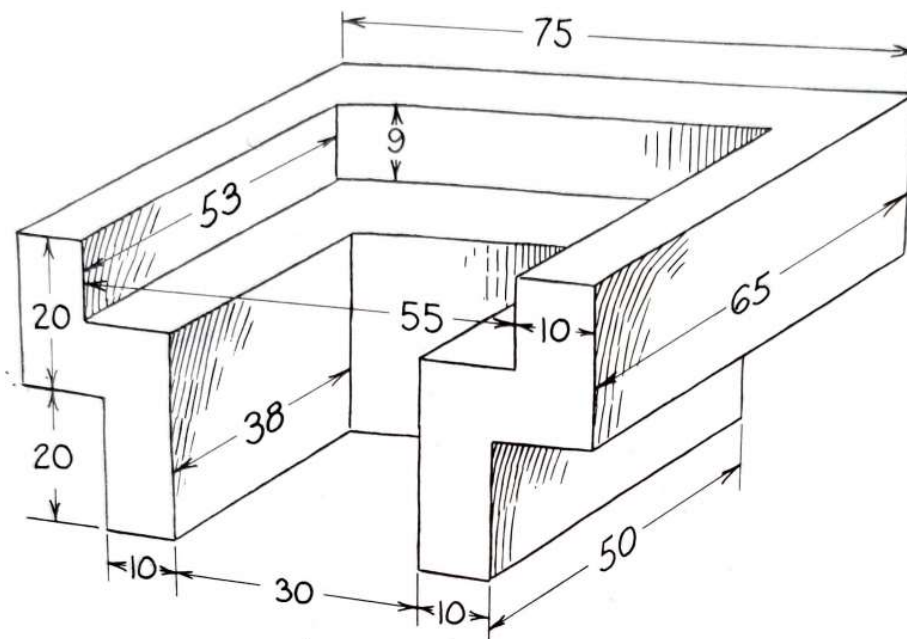


Figure for question no. 4

Q5. Draw the **isometric drawing** of the object whose orthographic views are as given below (Third angle projection showing Front, Top and Right side views). **Do not dimension the drawing.** Note: Start the drawing by placing the front view on the left side of the isometric drawing box and the right side view on the right side of the isometric drawing box.

15

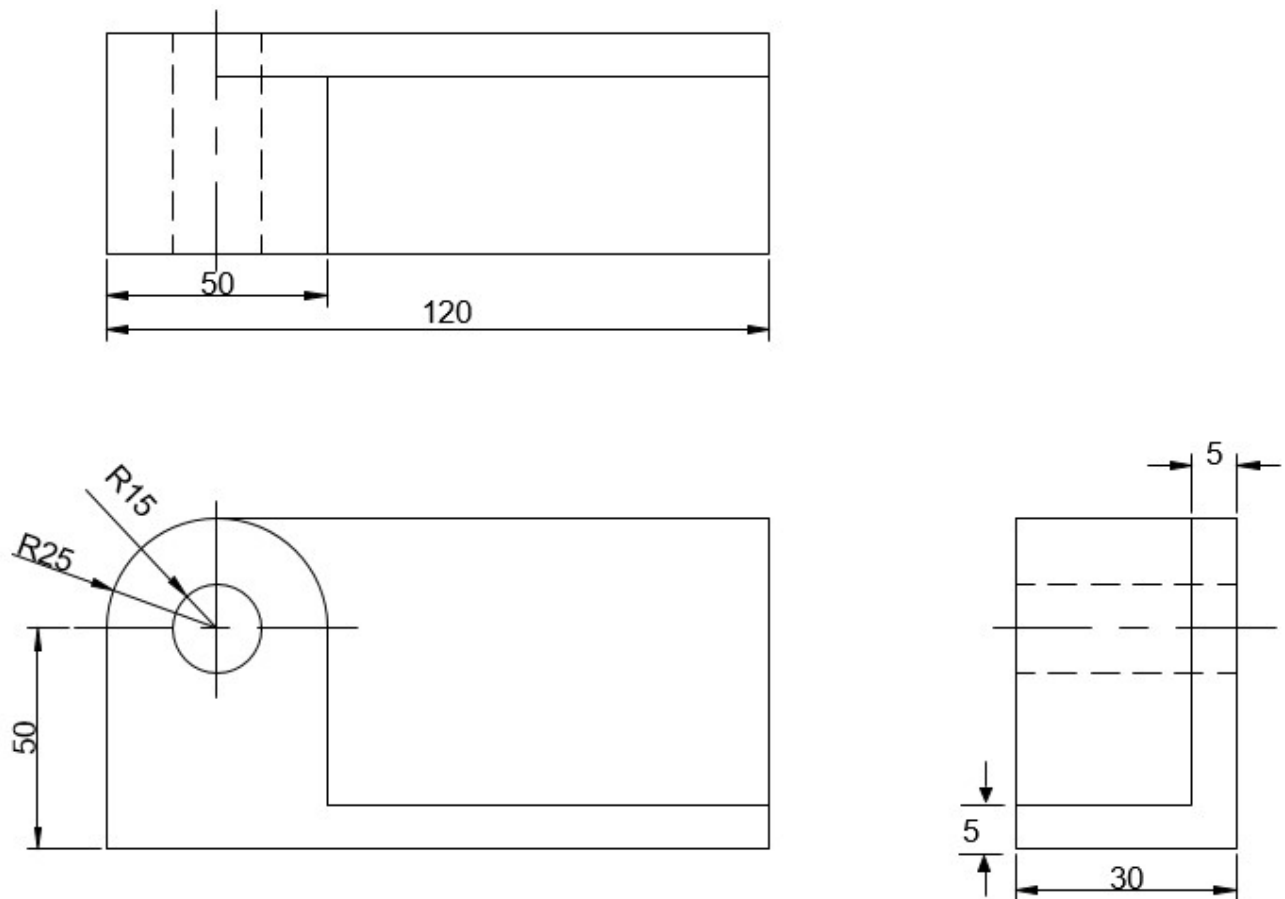


Figure for question no. 5

Q6. Draw the **Cavalier oblique** view of the object shown in Figure below (**Front, Top and right side views in third angle projection**). Take the depth direction receding axis as  $45^\circ$  to the right side. **Do not dimension the drawing.**

15

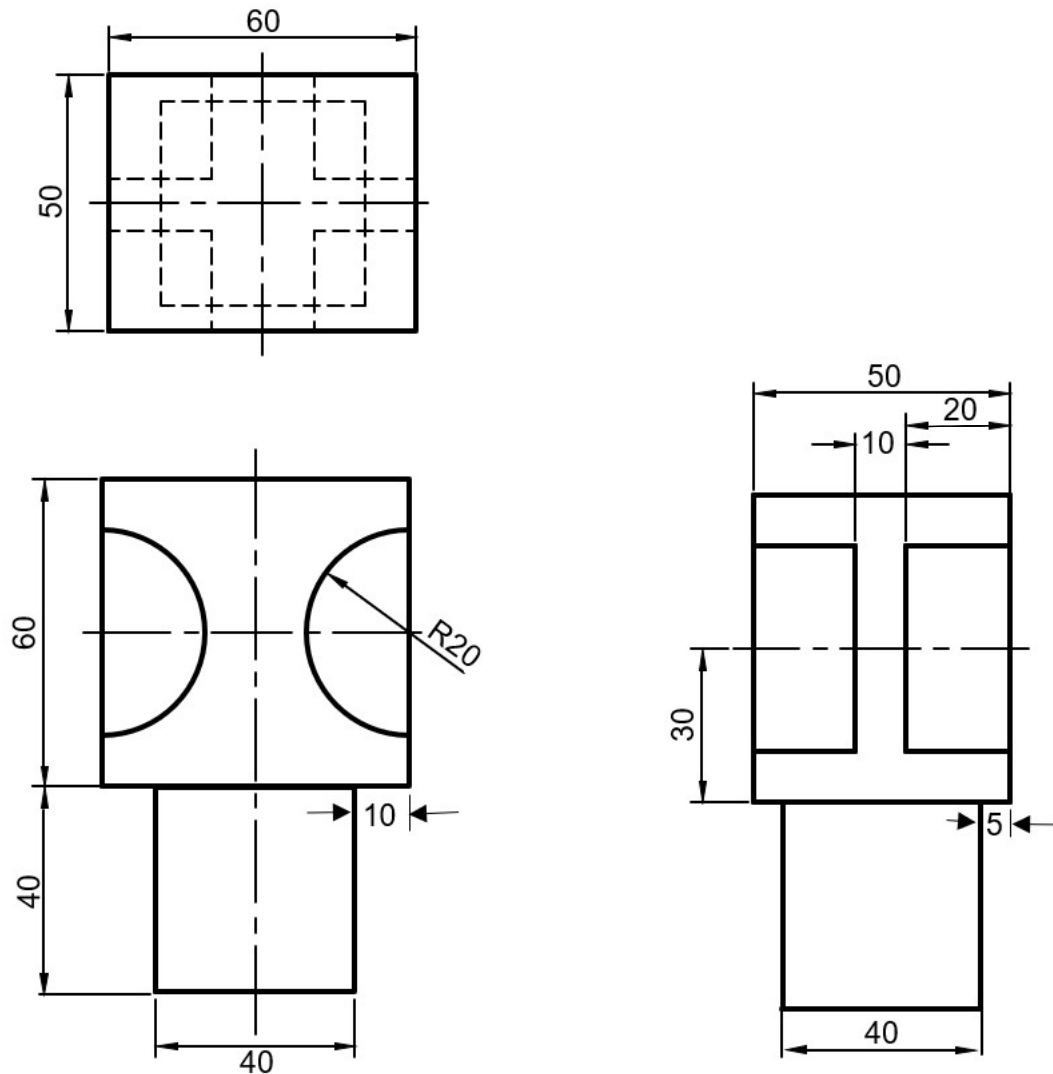


Figure for question no. 6

## Mid Sem Exam: Sem – II (2020-2021) TA101AA Engineering Graphics

Total Time : 2 hrs 12:30 to 2:30 p.m. Upload time 20 mins till 2:50 pm. Date 07 May 2021

After you have answered, scan all the sheets, and make one pdf file for upload to MOOKIT.

Name the file as: MS - roll no – name.pdf

Question paper contains a TOTAL of 6 questions. Each question carries the same marks, i.e., 15 marks even though all of them are not equally difficult. Total marks is 90.

**NOTE:** Carefully plan the drawing before starting so that it fits in the sheet.

Q1. (a) Draw an ellipse having conjugate diameters of 160 mm and 80 mm with an angle of 60 degrees between them, using the Parallelogram method.

(b) Find the major and minor diameters of the ellipse and mark them with dark continuous lines using HB pencil. **Do not dimension.** Measure and write down the major and minor diameters on your sheet. **Use scale 1:1.**

**(15 Marks)**

Q2. Draw the front, top and left side views of the machine part given below. The machine part has a uniform depth of 40 mm and the front view is as given below. Use **First Angle projection and do not dimension the drawing.** Use **scale 1:1.** Note the important features like common tangent lines and tangent arcs to circles etc. in the front view carefully. **(15 Marks)**

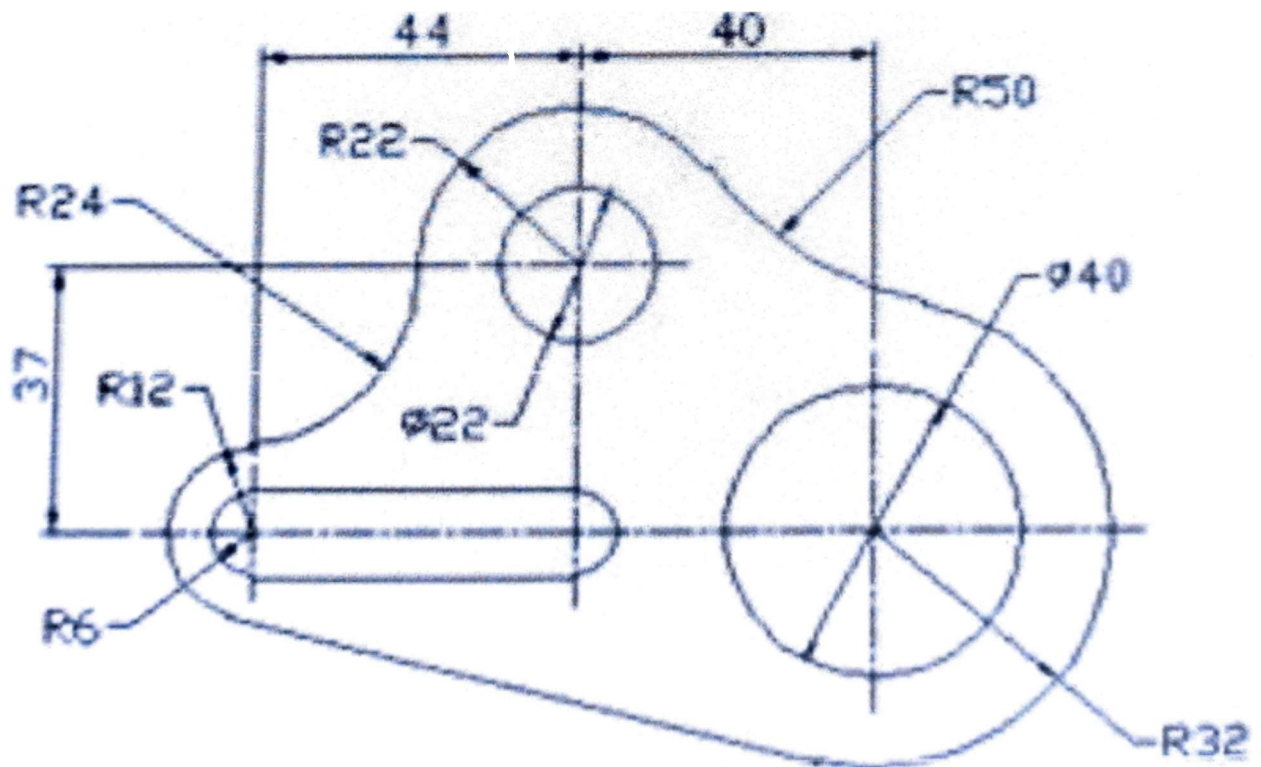


Figure for question 2

Q.3. Draw the front, top and right side views of the object given below. Use **Third Angle projection scheme** and **dimension the drawing using unidirectional dimensioning system with the dimension value mentioned within the dimension line. Use scale 1:1. (15 Marks)**

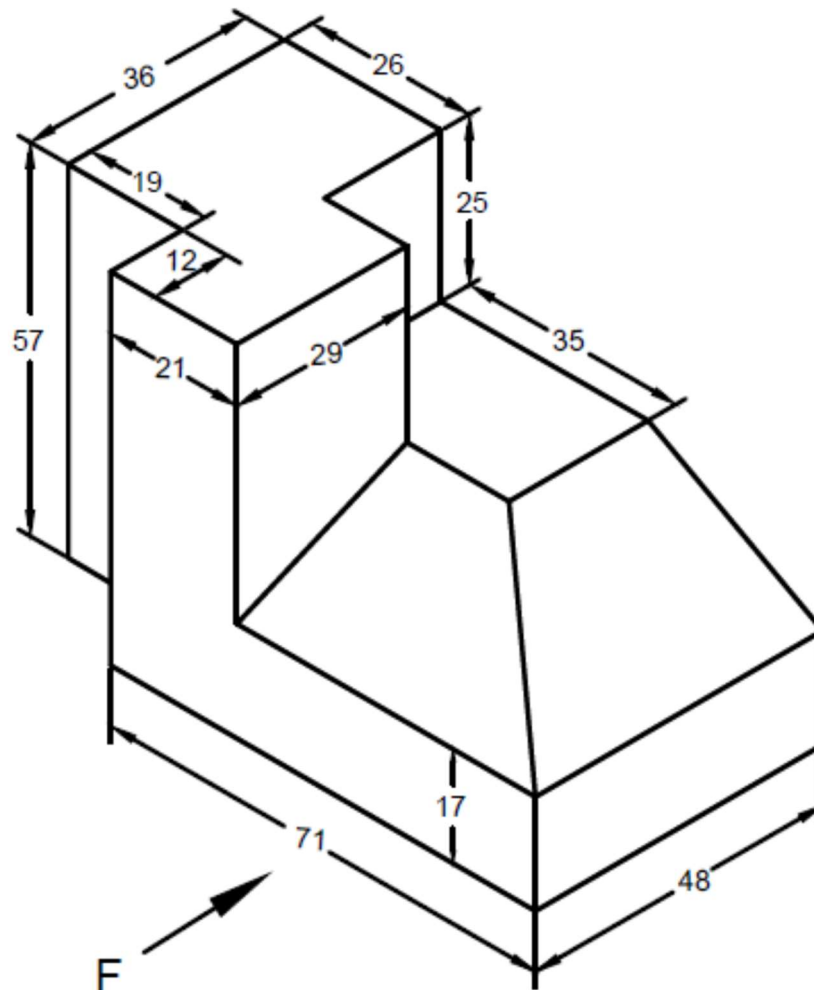


Figure for Question no 3

Q4. Draw the **isometric drawing** of the object whose orthographic views are as given below (Third angle projection showing Front and Top views). **Do not dimension the drawing.** Note: Start the drawing by placing the front view on the left side of the isometric drawing box. **(15 Marks)**



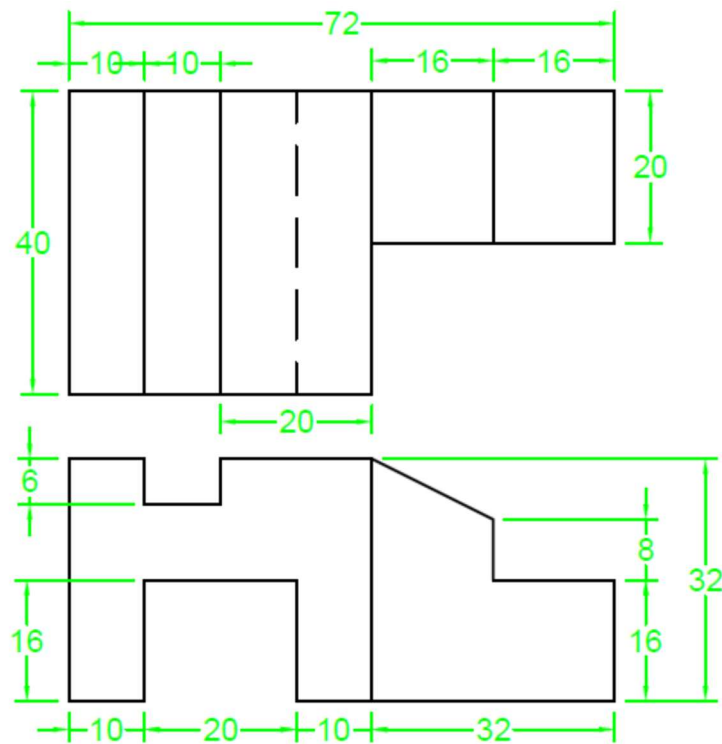


Figure for question no. 4

Q5. Draw the **Cabinet oblique** view of the object shown in Figure below (**Front and Top views in third angle projection**). Take the depth direction receding axis to be  $45^\circ$  to the right and up. **Do not dimension the drawing.**

(15 Marks)

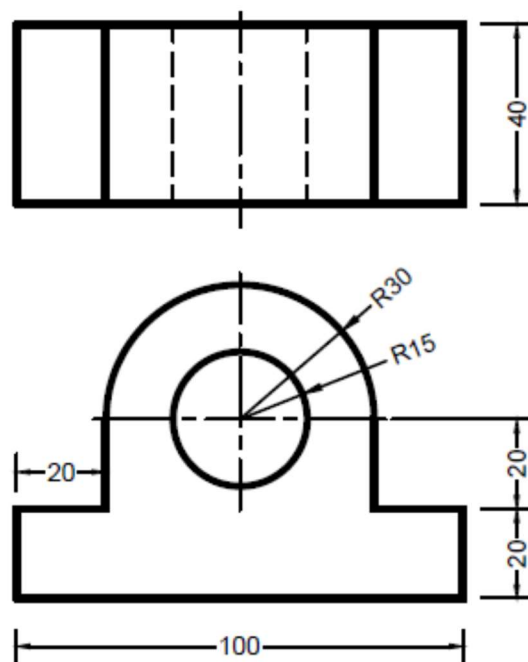


Figure for question no. 5

Q6. The top view of a cuboid of size 35 mm x 30 mm x 25 mm along with the picture plane and the station point is shown in Figure below. Draw a **two point (angular) perspective view of the object** when the horizon line is 40 mm above the ground line. Assume 1:1 scale. Note that either the front or the side view is not required for this problem since the object has a uniform height which is given. **Do not dimension the drawing.** (15 Marks)

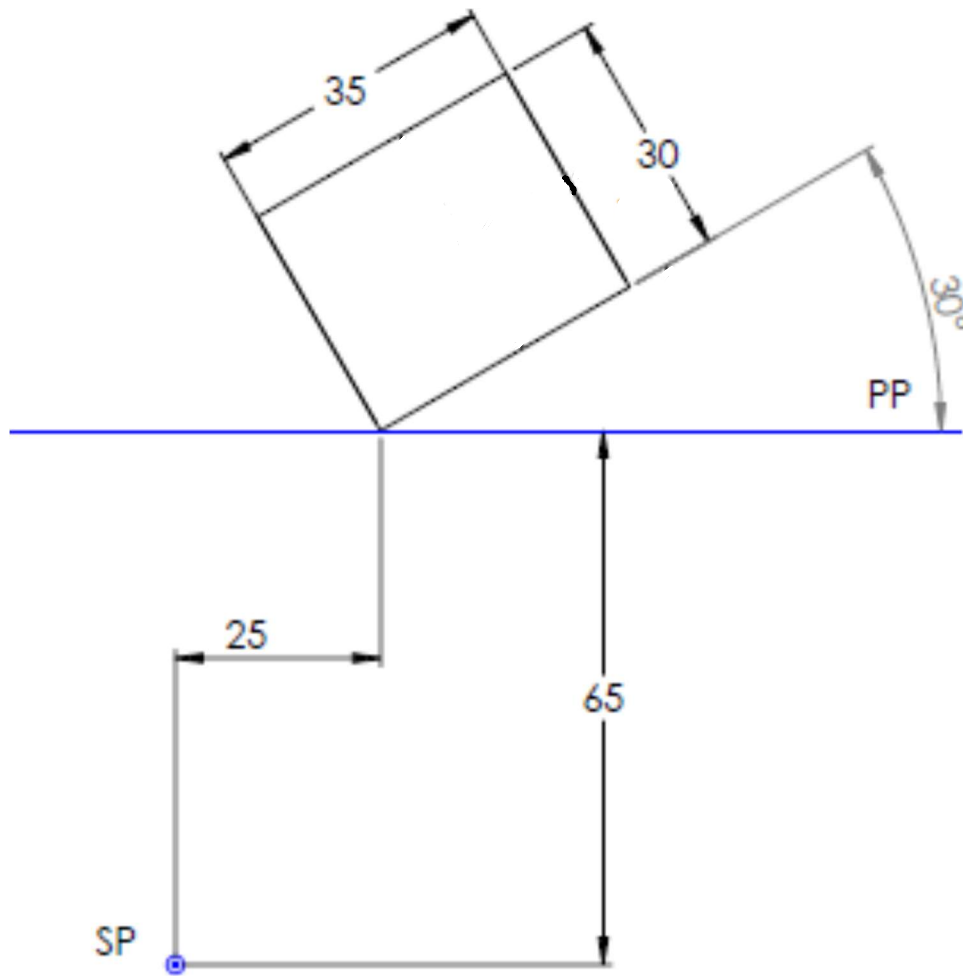
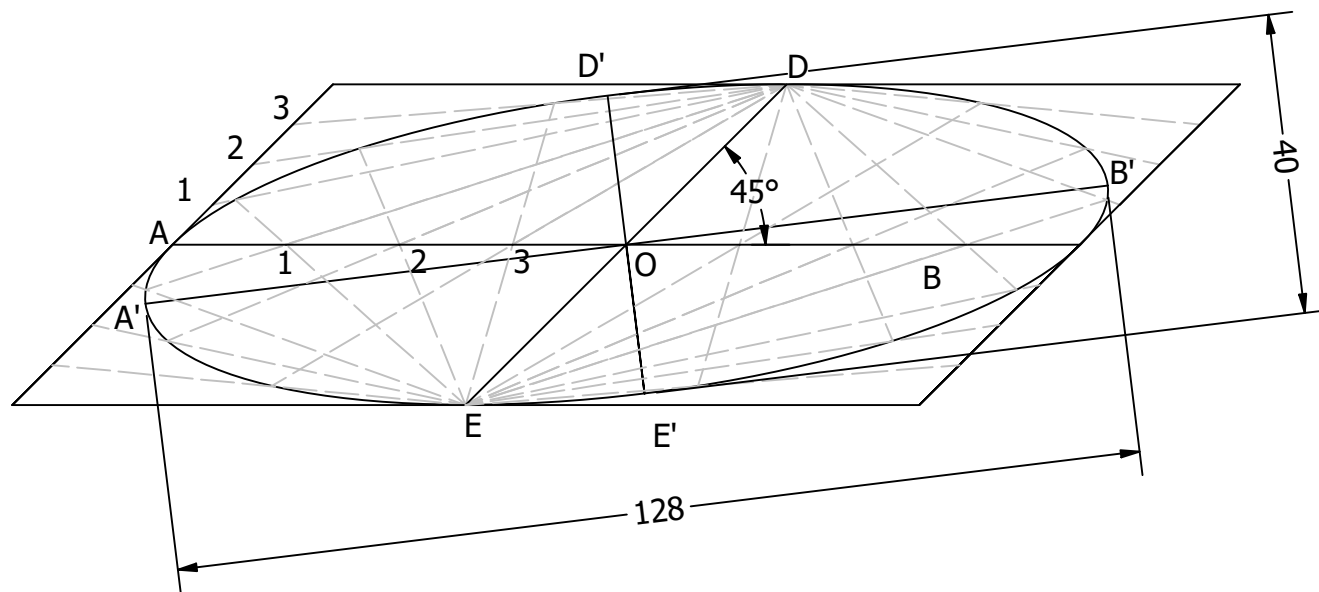


Figure for question no. 6

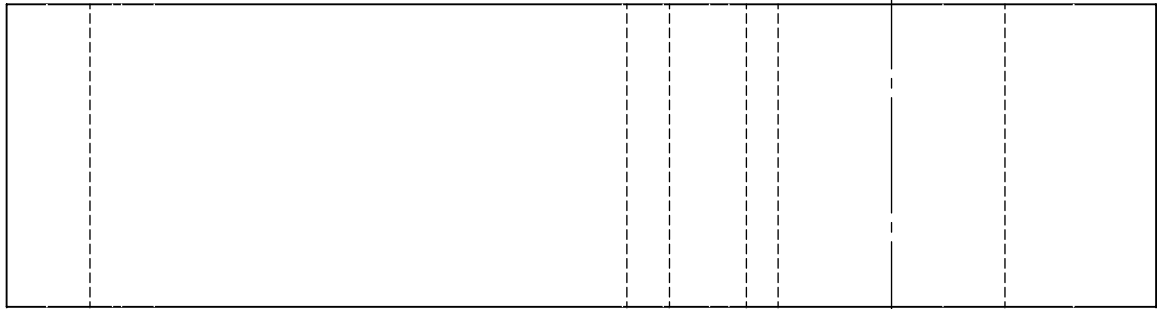


Major Dia. = 128mm

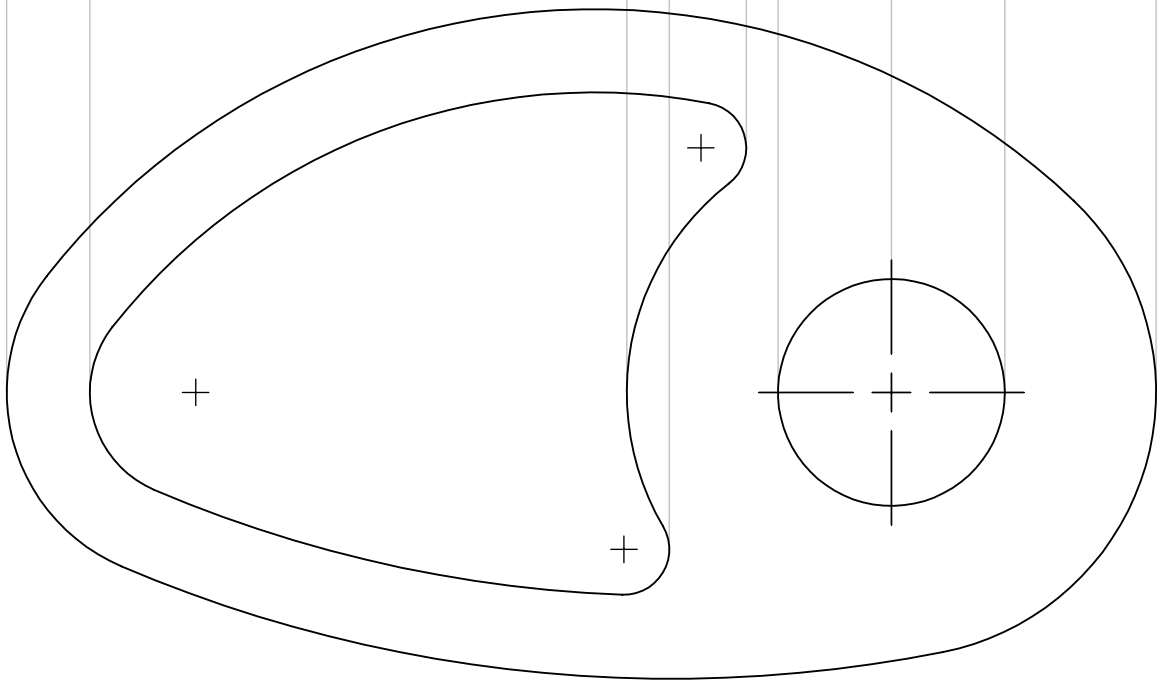
Minor Dia. = 40mm

		Scale 1:1
TA 101A		
MidSem: Q1		
Sudhanshu	17807727	TA
9/1/22		

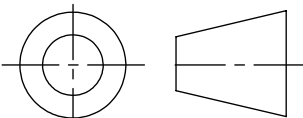
+



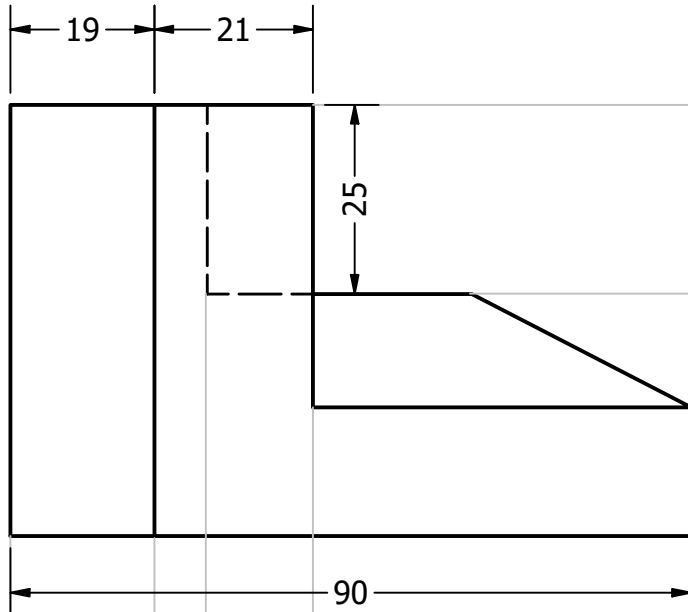
TOP VIEW



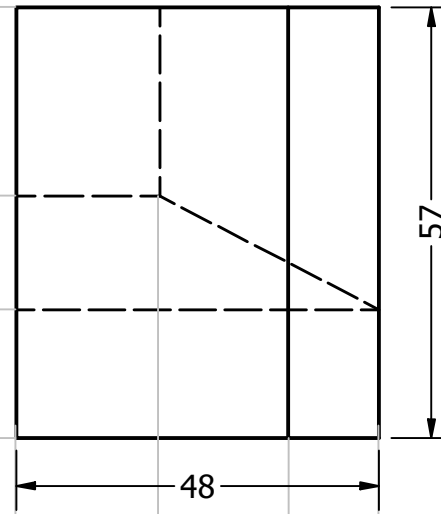
FRONT VIEW

		Scale: 1:1	
TA 101A			
MIDSEM: Q2			
Arihant	17807147	TA	
9/01/22			

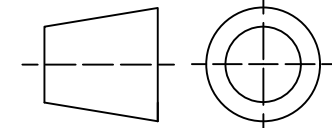
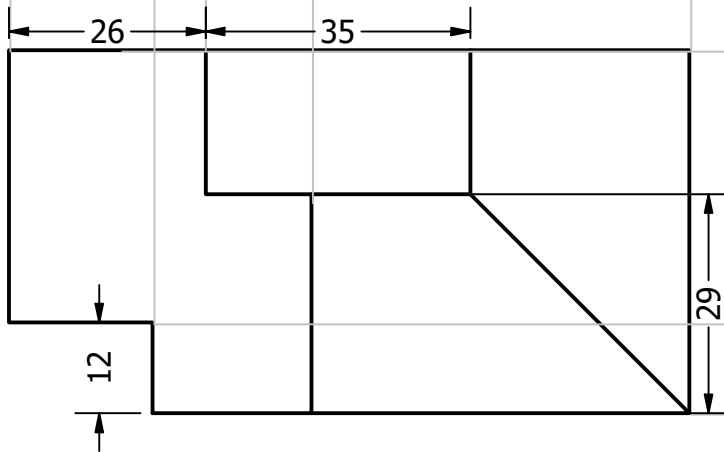
# Front view



# Left view



# Top view



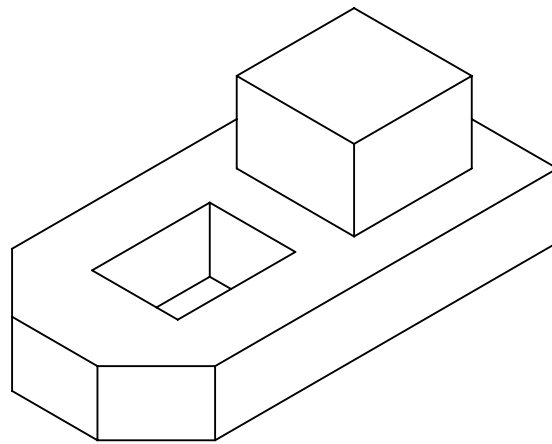
Scale 1:1

TA 101A

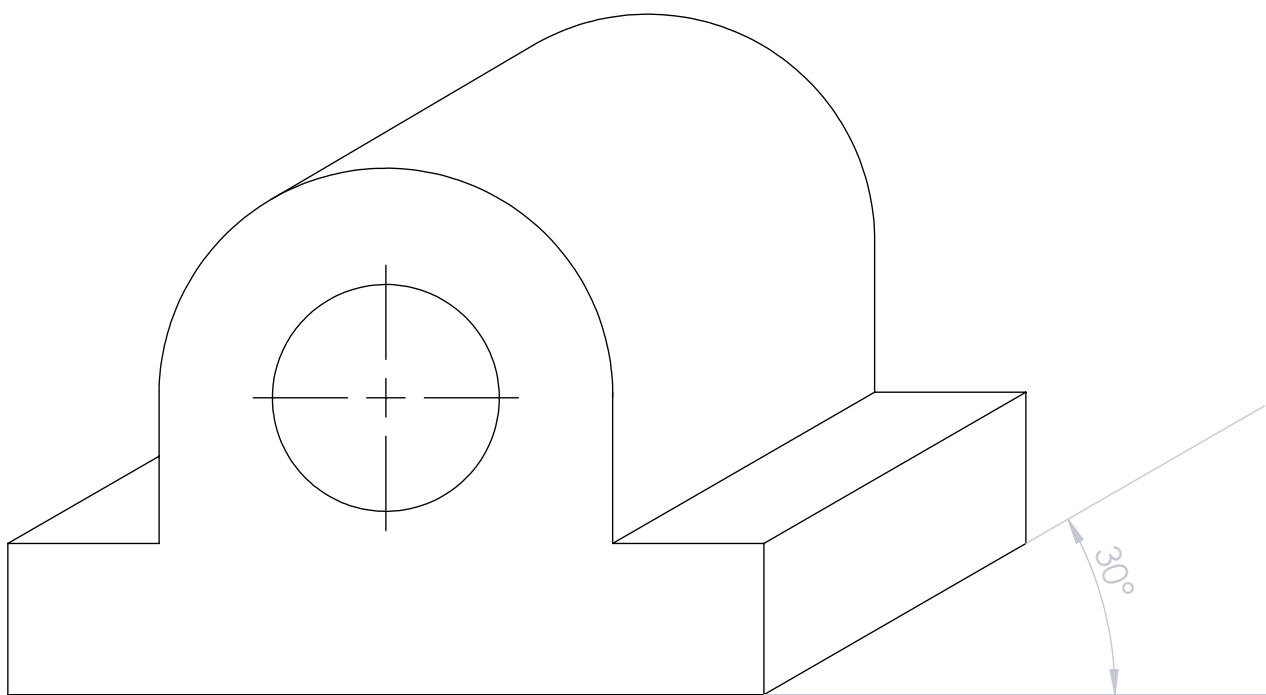
Midsem: Q3

Sudhanshu	17807727	TA
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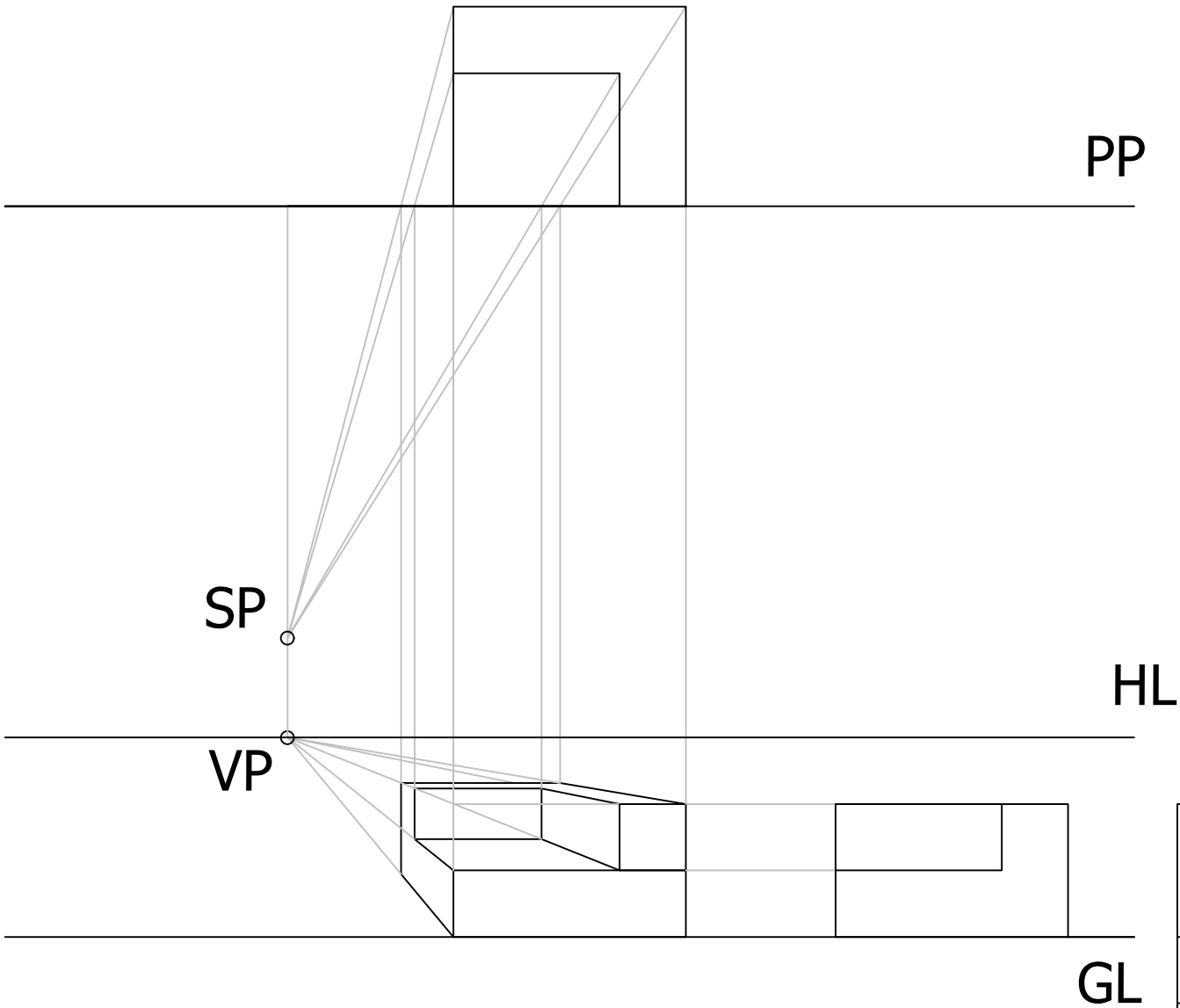
9/1/22



ISOMETRIC		Scale: NTS	
TA 101A			
MIDSEM: Q4			
Arihant	17807147	TA	
9/01/22			



CAVALIER		Scale: NTS	
TA 101A			
MIDSEM: Q5			
Arihant	17807147	TA	
9/01/22			



		Scale: NTS	
TA 101A			
Midsem: Q6			
Sudhanshu	17807727	TA	
9/1/22			



## Mid Sem Exam: Sem – I (2021-2022)

### TA101AA Engineering Graphics

Total Time : 2 hrs 10:00 to 12:00 Upload time 20 mins till 12:20 pm. Date 11 January 2022

After you have answered, scan all the sheets, and make one pdf file for upload to MOOKIT.

Name the file as: MS - roll no – name.pdf

Question paper contains a TOTAL of 6 questions. Each question carries the same marks, i.e., 15 marks even though all of them are not equally difficult. Total marks is 90.

**NOTE:** Carefully plan the drawing before starting so that it fits in the sheet.

Q1.(a) Draw an ellipse having conjugate diameters of 120 mm and 60 mm with angle of 45 degrees between them using the parallelogram method. (10)

(b) Find the major and minor diameters of the ellipse and mark them with dark continuous lines using HB pencil. Measure and write down the major and minor diameters on your sheet. **Scale 1:1. Do not dimension.** (5 Marks)

Q2. The front view of a machine part having a uniform depth of 40 mm is as shown below. Draw its front and top views. Use **Third Angle projection and do not dimension the drawing. Use scale 1:1.** Note the tangent arcs to circles in the front view carefully and locate their centers properly. Place your front view judiciously so that centers of tangent arcs are on the sheet. (15)

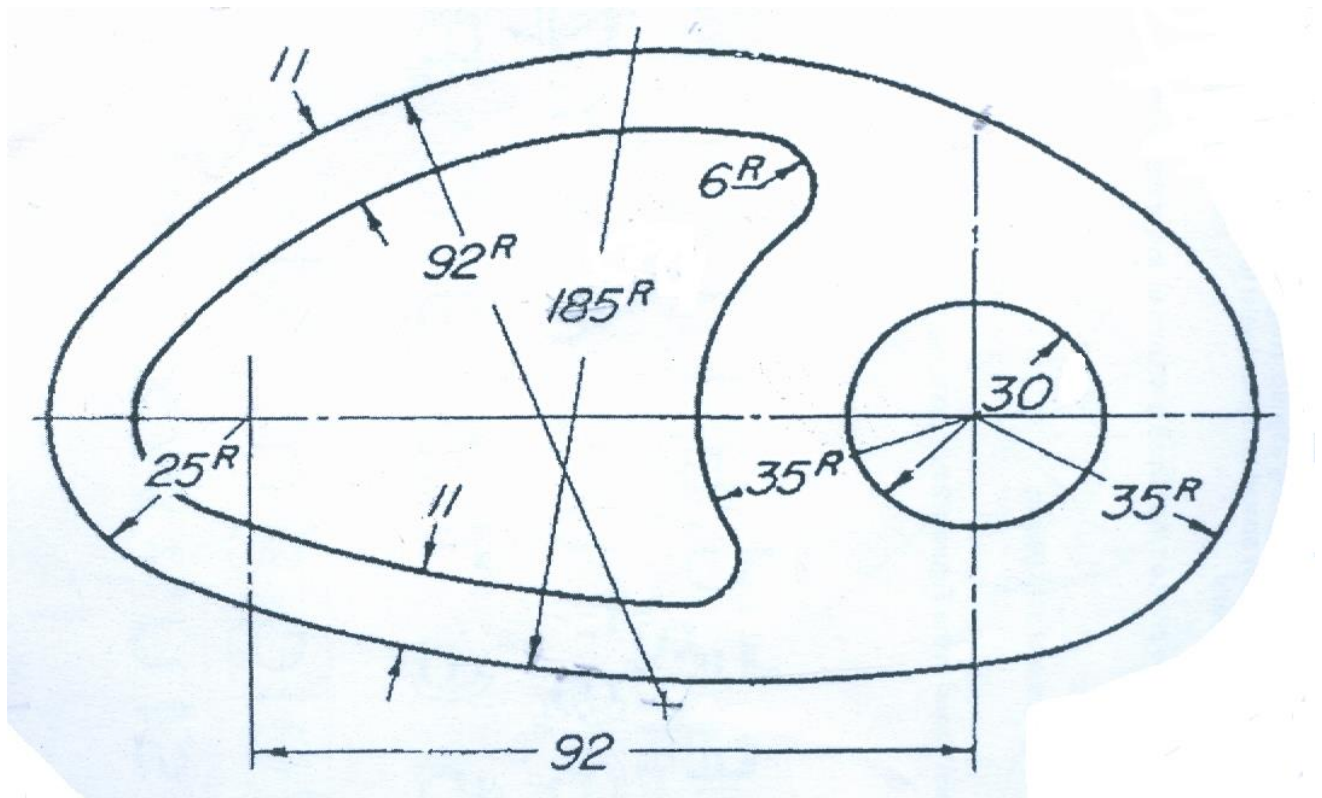


Figure for question 2

Q.3. Draw the front, top and left side views of the object given below. Use **First Angle projection scheme** and **dimension the drawing using aligned dimensioning system**. Write the dimension value within the dimension line wherever feasible. **Use scale 1:1. (15 Marks)**

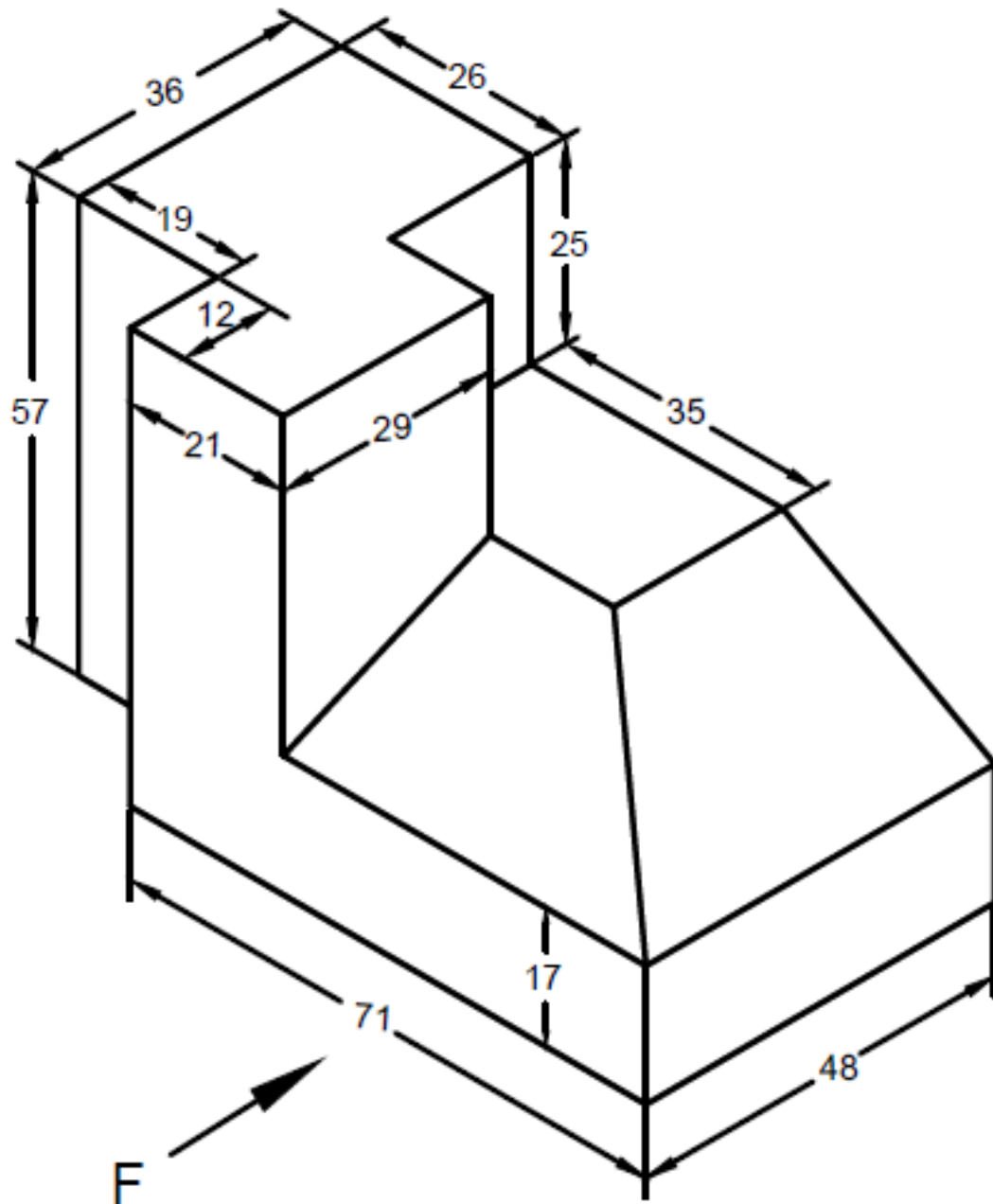


Figure for Question no 3

Q4. Draw the **isometric drawing** of the object whose orthographic views are as given below (**First angle projection** showing Front and Top views). **Do not dimension the drawing.** *Note: Start the drawing by placing the front view on the right side of the isometric drawing box.* (15 Marks)

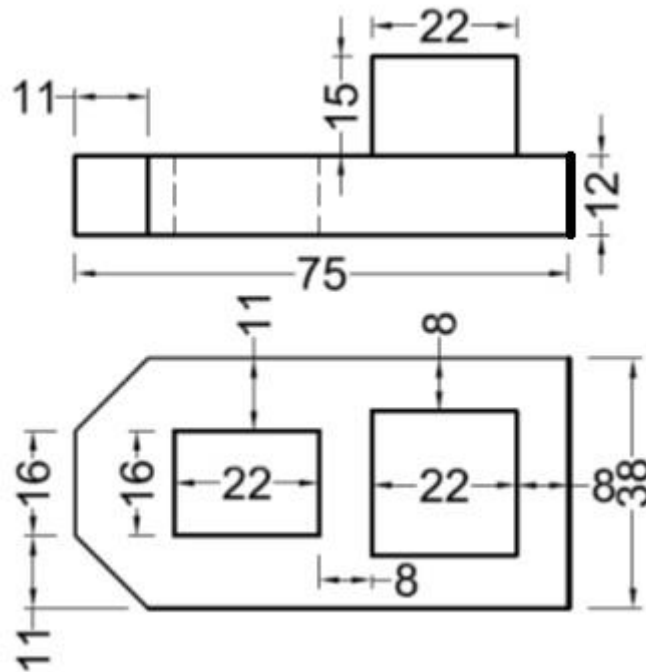


Figure for question no. 4

Q5. Draw the **Cavalier Oblique** view of the object shown in Figure below (**Front and Top views in third angle projection**). Take the depth direction receding axis to be  $30^\circ$  to the right and up. **Do not dimension.**

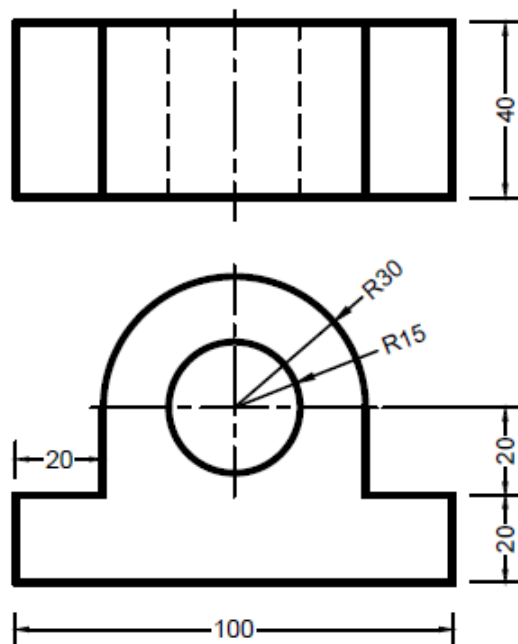


Figure for question no. 5

Q6. The top view of an object along with the picture plane and the station point is shown in Figure below. Also shown is the isometric view of the object. Draw a **one point (parallel) perspective view of the object** when the horizon line is 30 mm above the ground line. Assume 1:1 scale. **Do not dimension the drawing.**

(15 Marks)

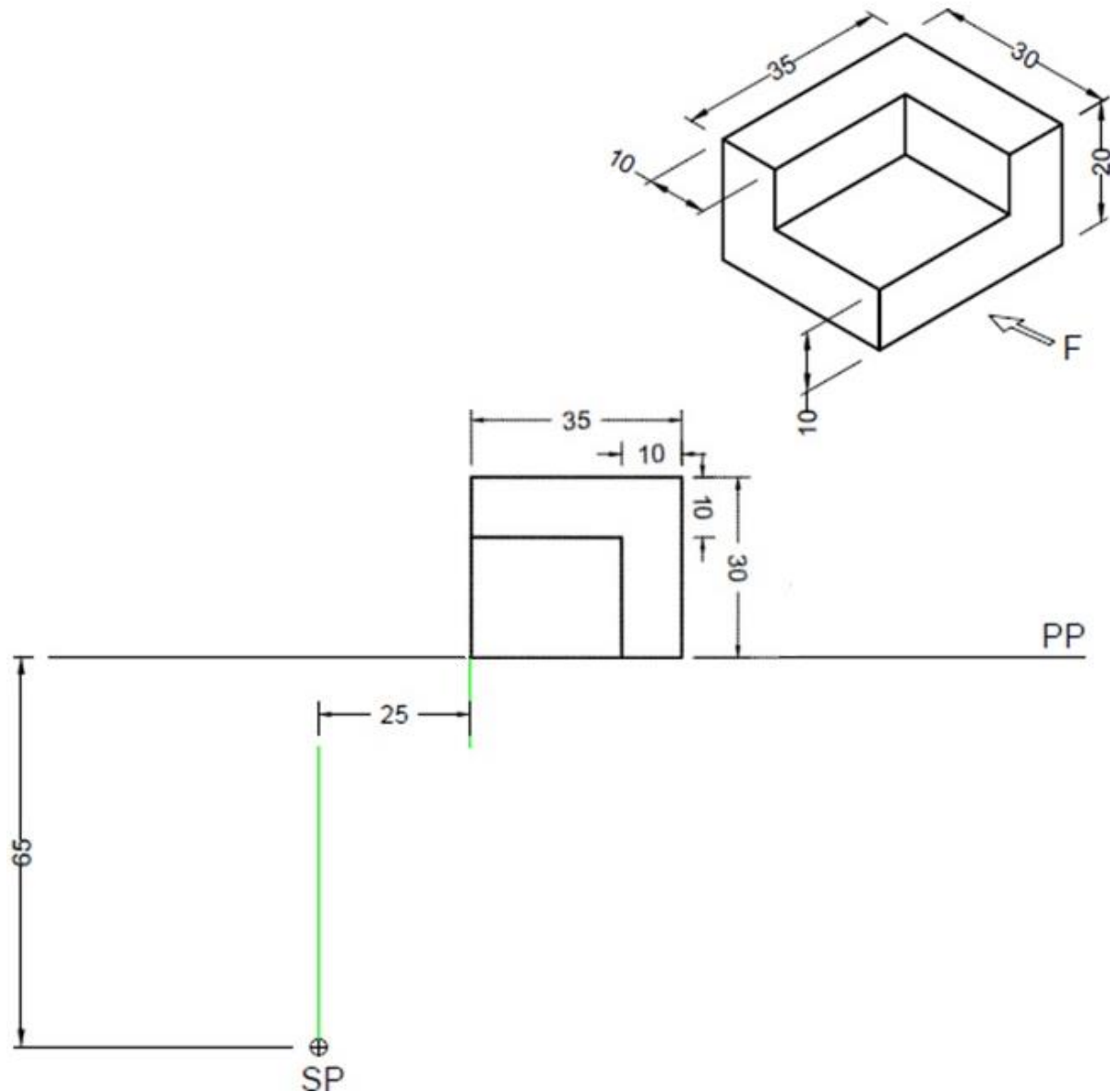


Figure for question no. 6