Pre-University Examination subject wise paper collection

ENGINEERING DRAWING

Provided By:

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Prince subedi

Safal Poudel

POKHARA UNIVERSITY

Level: Bachelor
Programme: BE
Course: Basic Engineering Drawing

Semester : Spring

Year : 2023
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

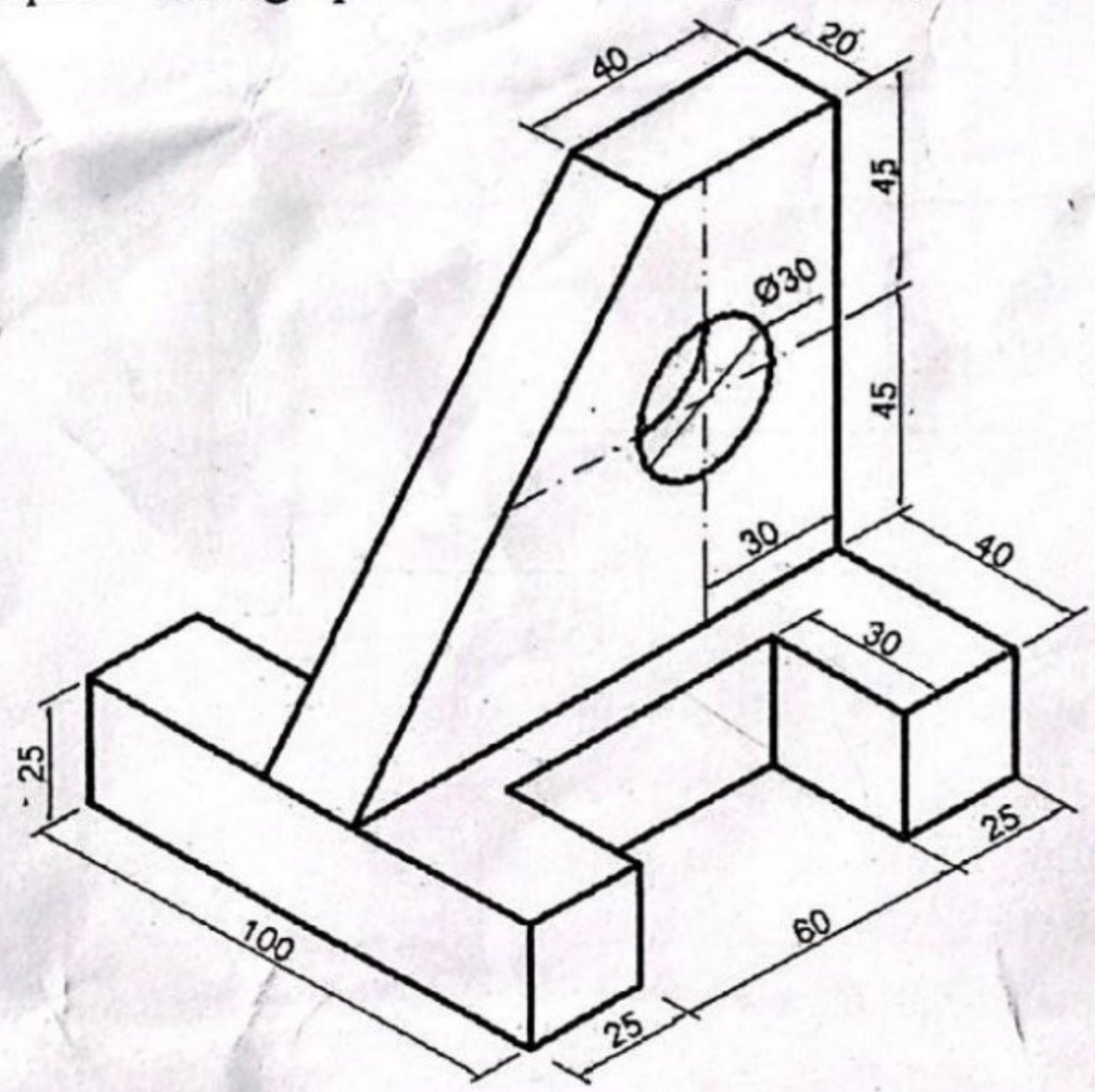
Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.
Attempt all the questions.

1. Draw a parabola with axis length of 60 mm and double ordinate of 80 mm using tangent method. 20

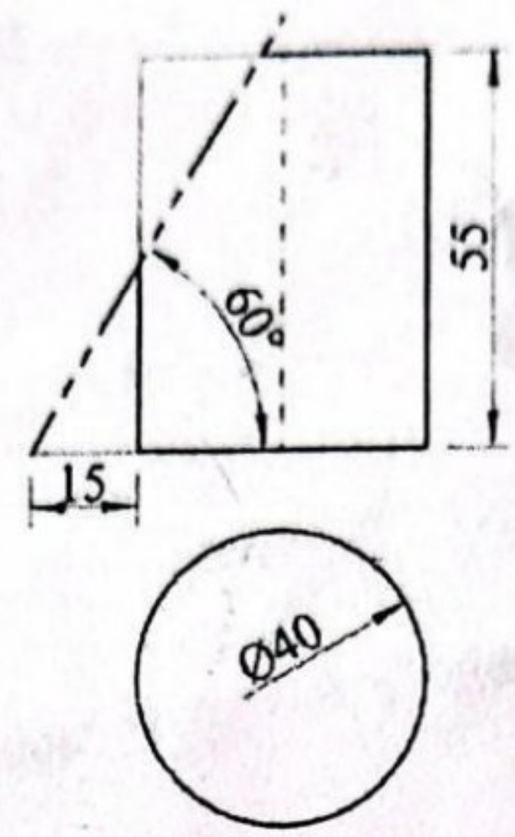
OR

Draw an involute for a circle of diameter 30 mm.

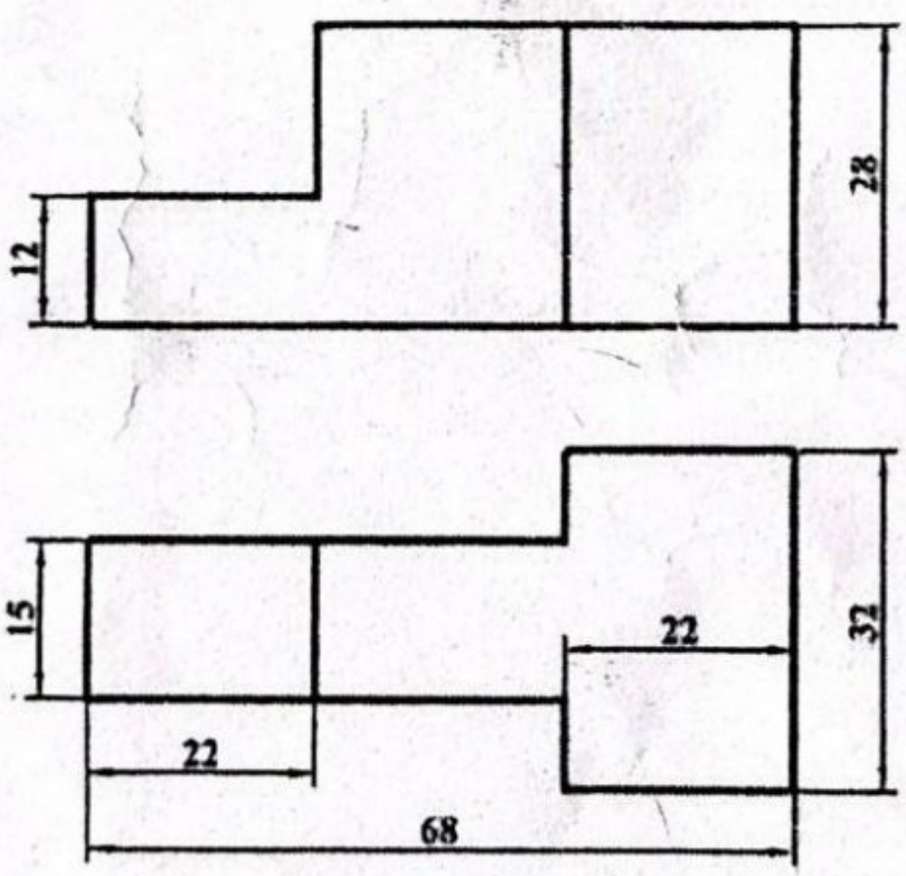
2. Draw the complete orthographic views of the given object. 35



3. Re-construct the given views of the truncated cylinder then draw the complete surface development. 15



4. Draw an isometric views from the given orthographic views. 20



OR

An object of sides 20x40x60 is given whose front face is parallel to PP. The station point lies 45 mm right of the axis line. Draw the perspective view if vanishing point is 35mm below PP and 75 mm above of GP.

5. Draw the symbol for any ten of the following items: 10

Amplifier, capacitor, AC generator, voltmeter, resistor, switch, receiver, fault, three phase motor, three pole switch, line, chamfer, fillet, dimension style and rectangle.

Nepal Engineering College

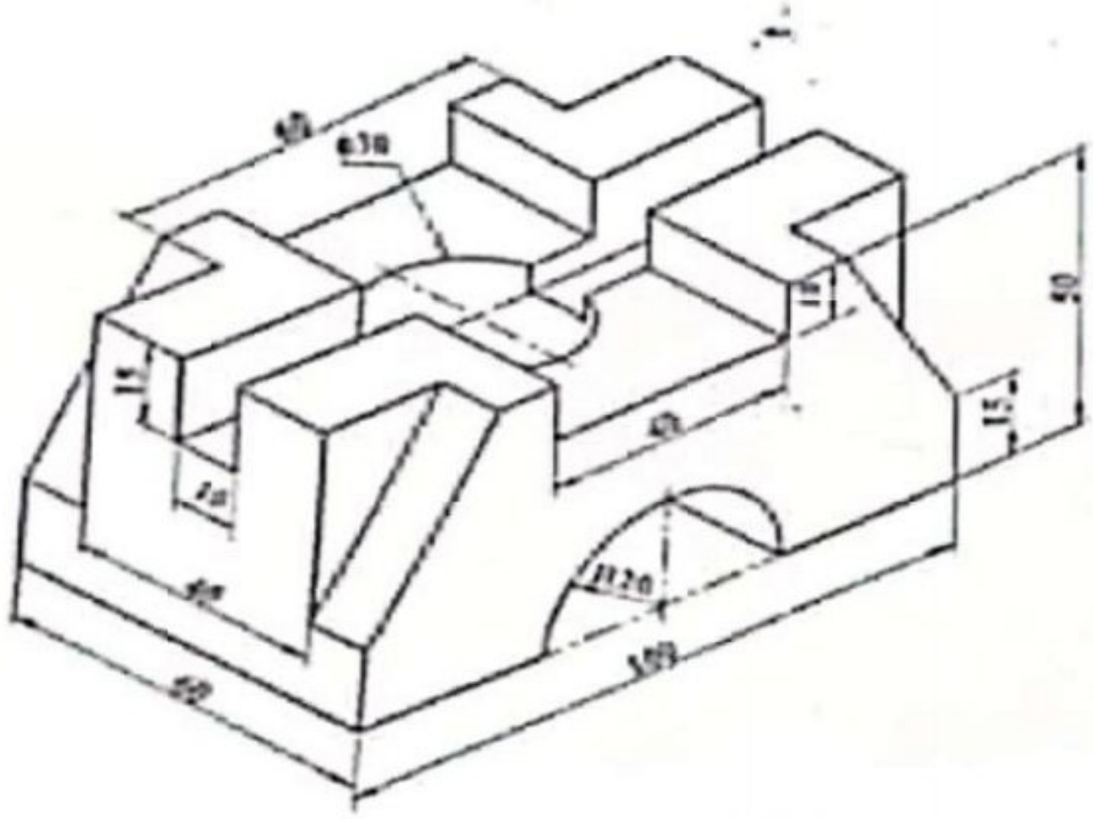
Level : Bachelor
Program: BE
Course Title: Basic Engineering Drawing

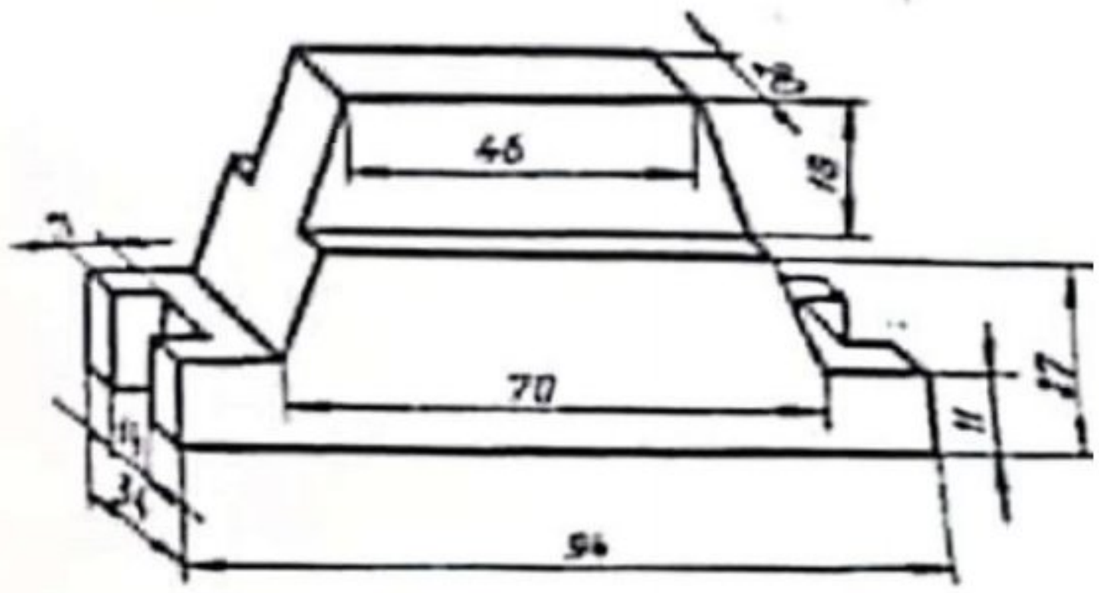
Semester: Spring

Time: 3 hrs
Full Marks: 100
Pass Marks: 45

Time: 3 hours
Attempt All Questions

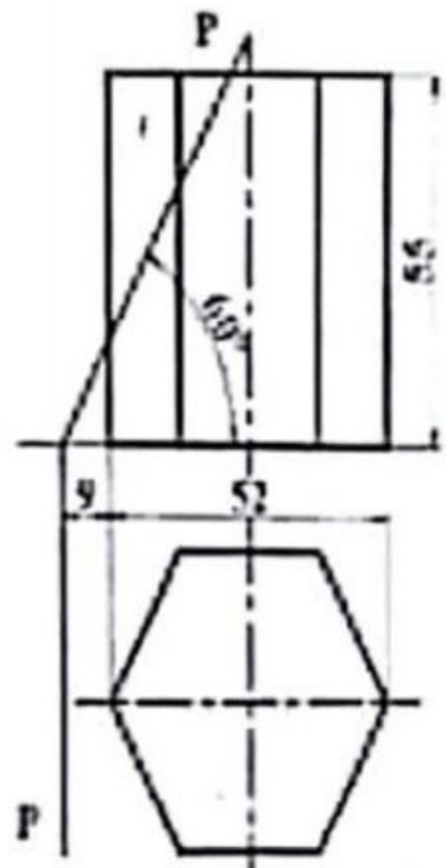
1. Draw a complete orthographic drawing of the given pictorial view. (35)



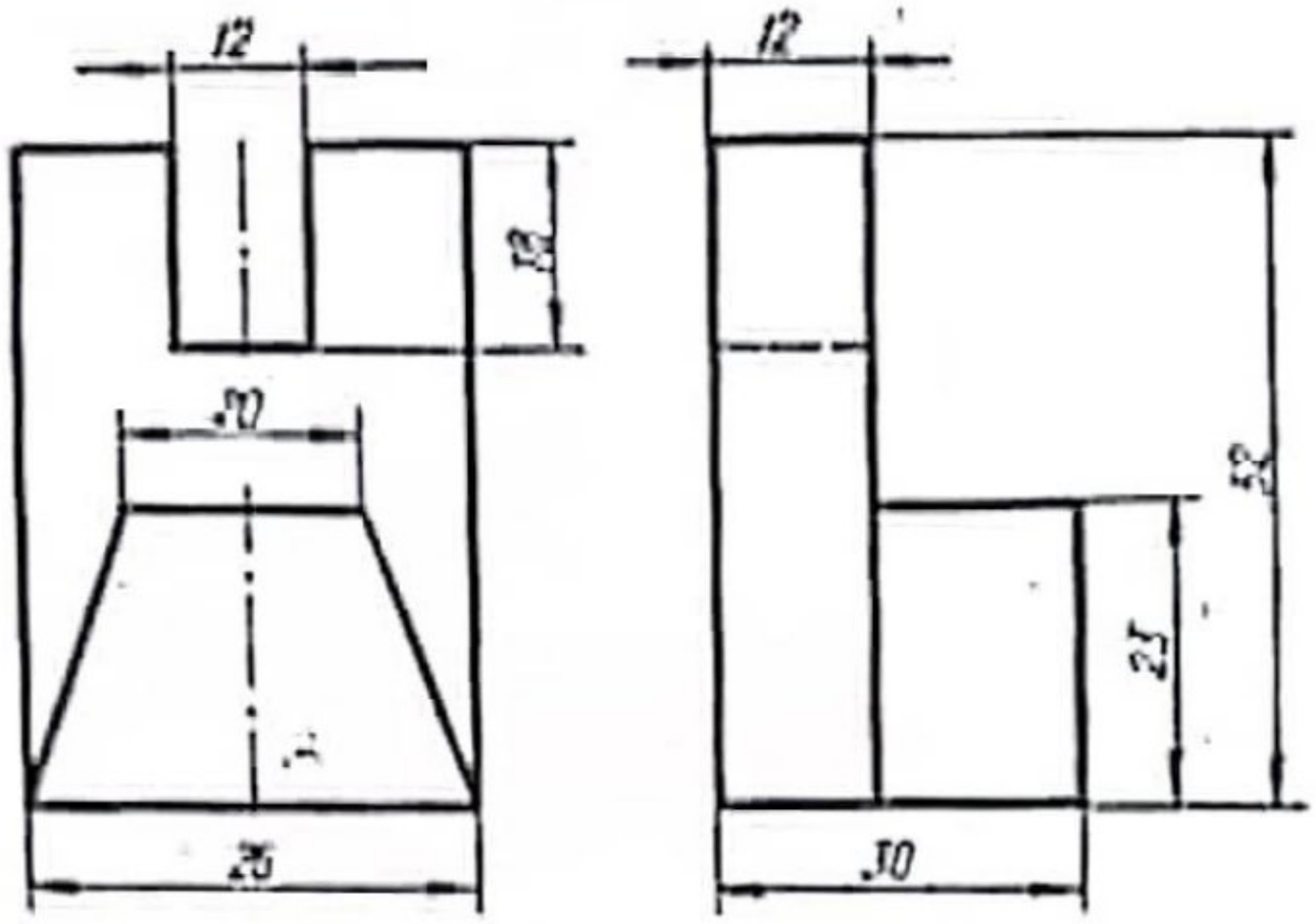


(30)

2. Make a complete orthographic drawing of the geometrical solid cut by a plane. Also draw the lateral surface of the solid. (15)

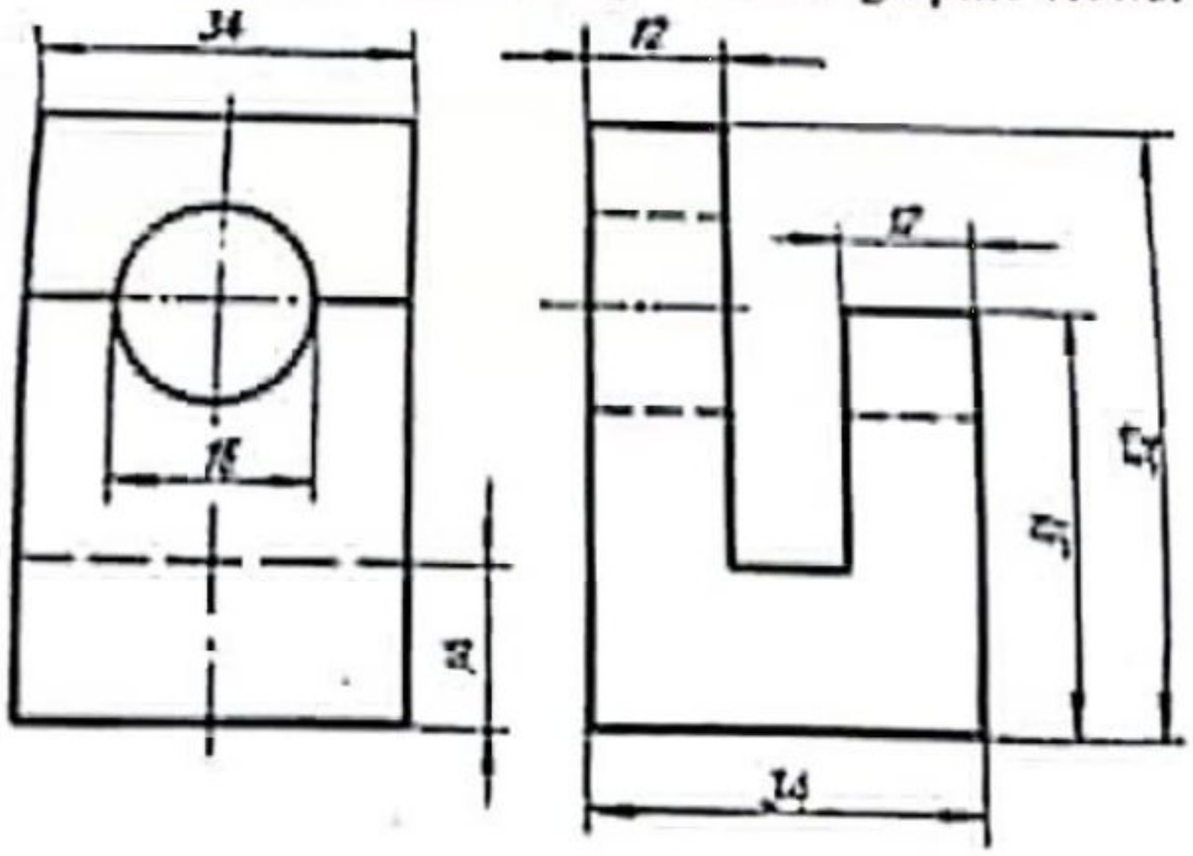


3. Draw the isometric drawing of the following orthographic drawing.(15)



OR

Draw parallel perspective view from given orthographic views.



The End

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National Academy of Science and Technology

(Affiliated to Pokhara University)

Dhangadhi, Kailali

Pre University Examinations

Level : Bachelor Semester: II_Spring Year : 2024

Programme: B.E. Computer F.M. : 100

Course: **Engineering Drawing** P.M. : 45

Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

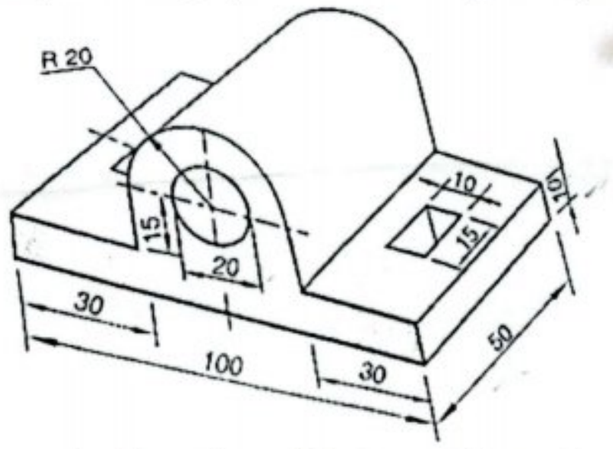
Attempt all the questions.

1. Draw an ellipse with major and minor axes of 90 mm and 60 mm respectively by using four center method. [20]

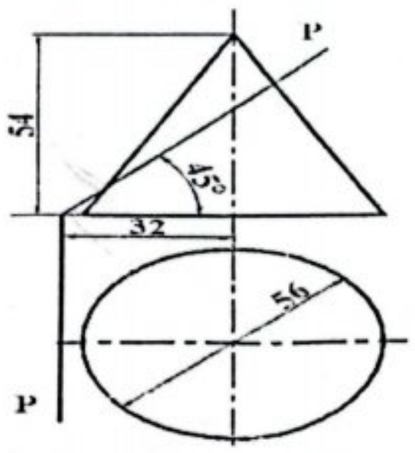
OR

Draw the internal common tangents between two different circles of diameter 30 mm and 40 mm respectively, where the center to center distance is 80 mm.

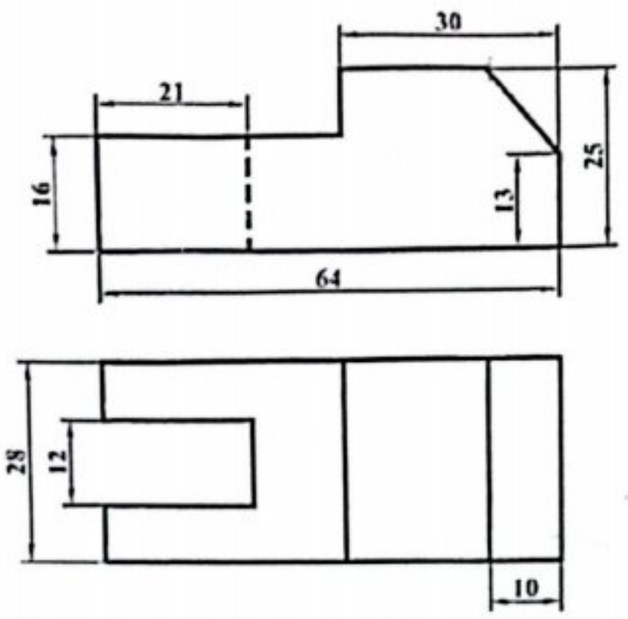
2. Draw the complete orthographic views of the given object. [35]



3. Re-construct the given views of the truncated cone then draw the complete surface development. [15]

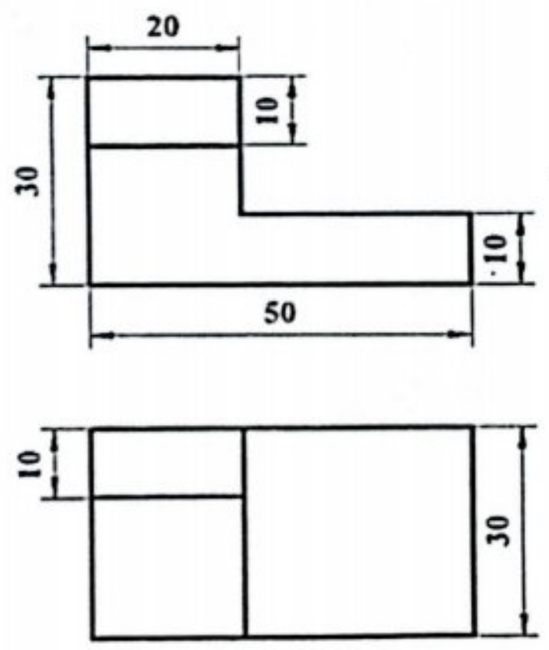


4. Draw an oblique views from the given orthographic views. [20]



OR

Draw the parallel perspective view from the given orthographic views.



5. Draw the symbol for any ten of the following items. [10]

Switch, Transformer, Fault, Alternating current, Fillet, Chamfer, Circle, Mirror, Motor Fuse, Circuit breaker, Electric contact, dimension style, Handset, Power line and Generator.

COSMOS COLLEGE
OF MANAGEMENT AND TECHNOLOGY

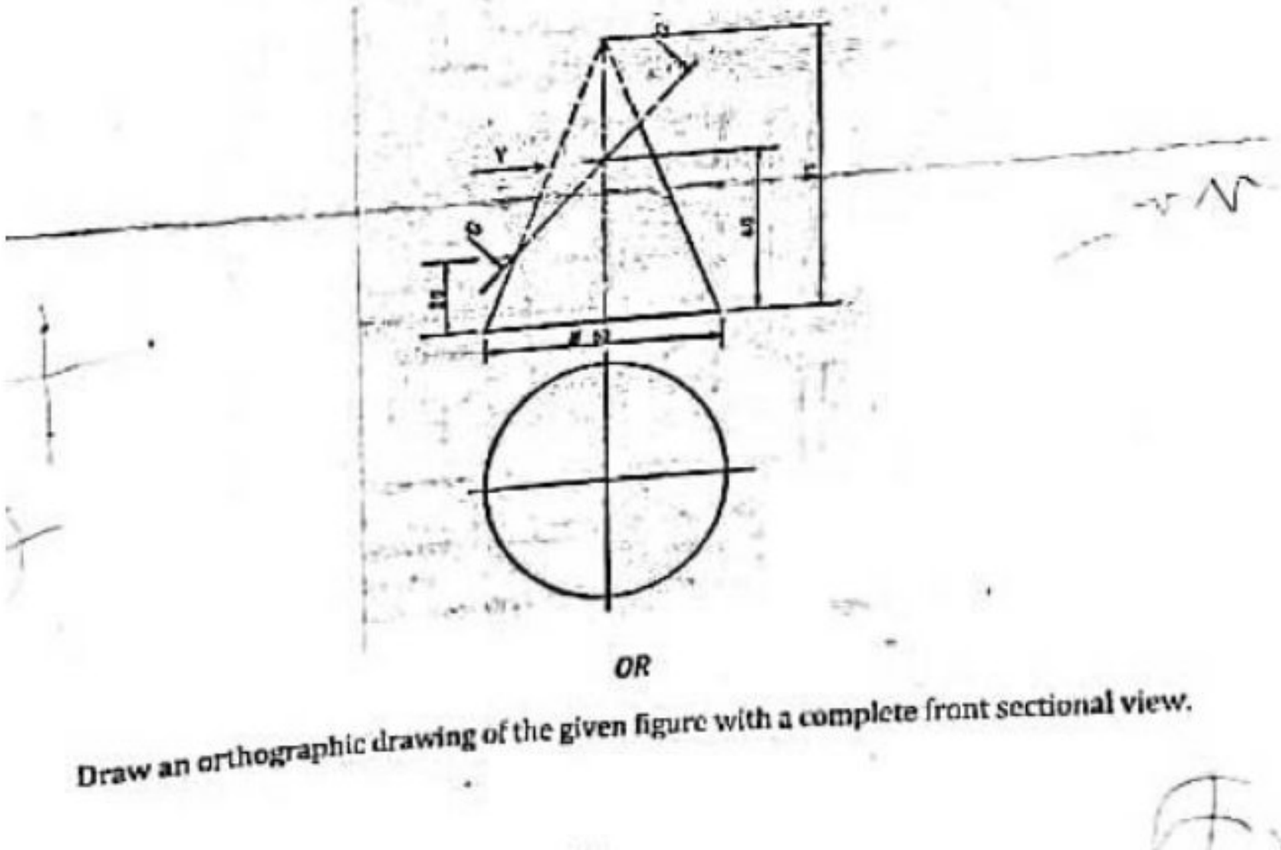
Term Test I

Date: 2081/02/32			
Level	BE	Full Marks	50
Programme	BCE	Time	
Semester	II	1.5 hrs	

Subject: - Engineering Drawing

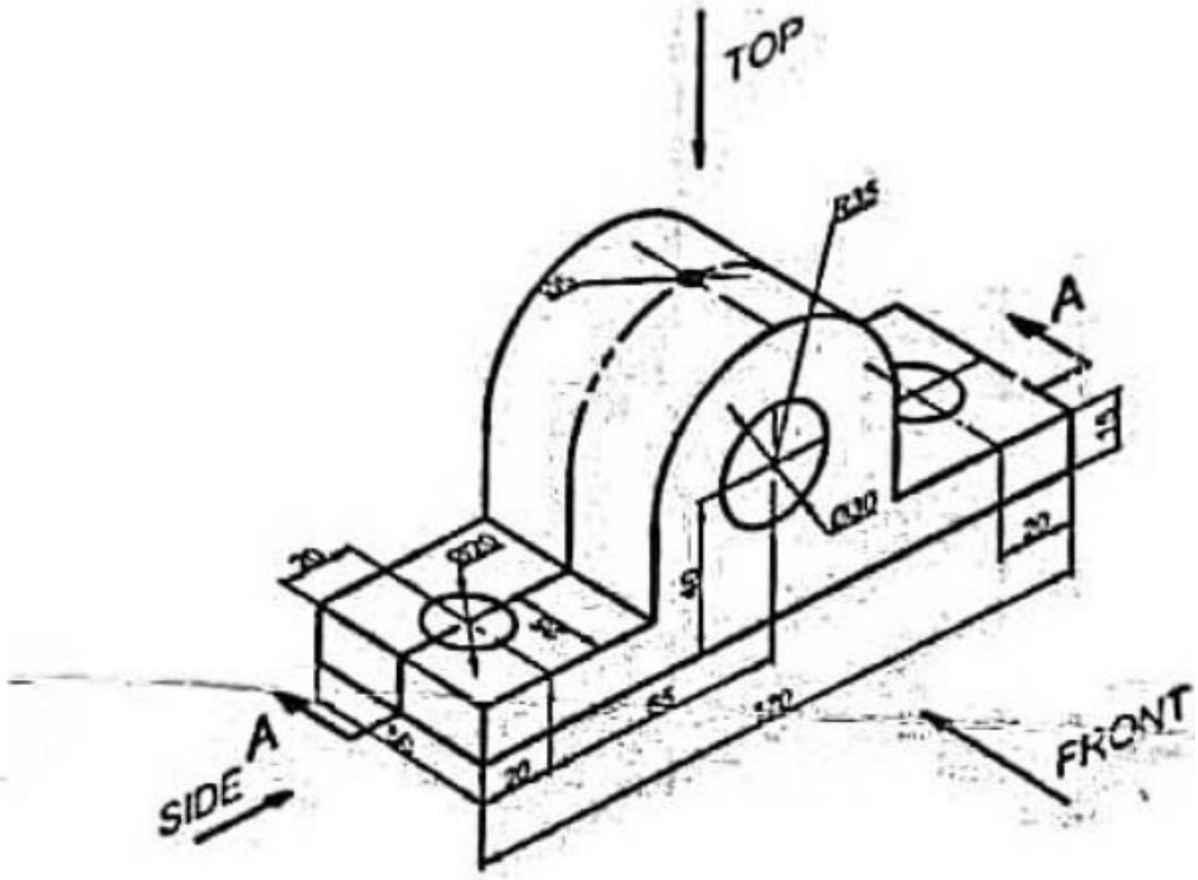
- *Candidates are required to give their answers in their own words as far as practicable.*
- *Attempt All questions.*
- *The figures in the margin indicate Full Marks.*
- *Assume suitable data if necessary.*

1. Construct an ellipse with major axis 80 mm and minor axis 60 mm. [10]
2. Draw two circles with radii 20 mm and 30 mm respectively with their centers lying on a horizontal line and 60 mm apart. Draw open belt tangent/external tangent. [10]
3. Complete the orthographic views of a truncated cone shown in figure and then sketch the Lateral surface development. [30]



OR

Draw an orthographic drawing of the given figure with a complete front sectional view.



COSMOS COLLEGE
OF MANAGEMENT AND TECHNOLOGY

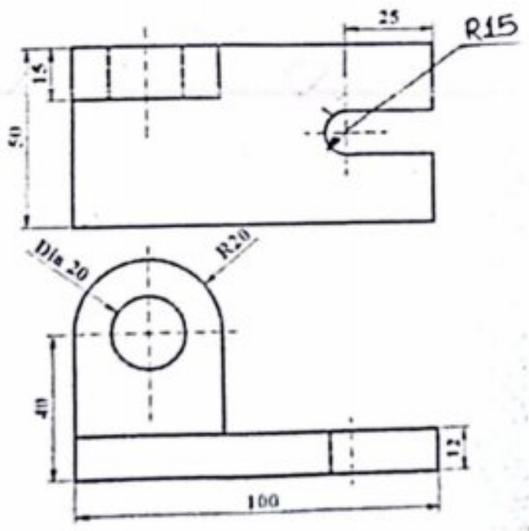
Term Test II

Date: 2081/04/11			
Level	BE	Full Marks	50
Programme	BCE	Time	
Semester	II	1.5 hrs	

Subject: *- Engineering Drawing*

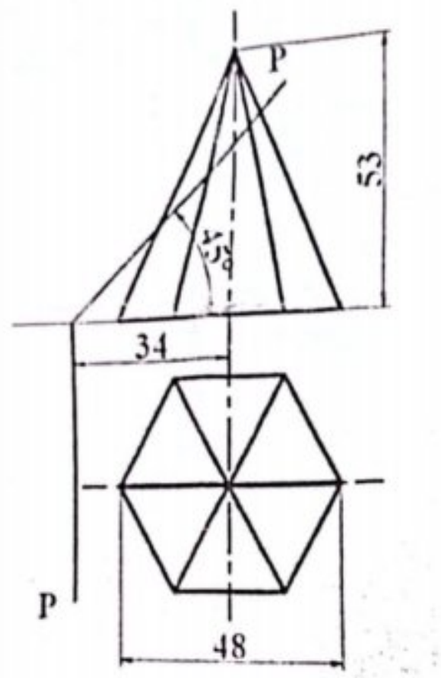
- ✓ *Candidates are required to give their answers in their own words as far as practicable.*
- ✓ *Attempt **All** questions.*
- ✓ *The figures in the margin indicate **Full Marks**.*
- ✓ *Assume suitable data if necessary.*

1. Sketch free hand the graphical symbols for the following Engineering items:**[5]**
   a. Switch
   b. Solenoid
   c. Powerline
   d. Conductors
   e. DC Generator
2. Draw a helix for one convolution on a cylinder of 50 mm diameter , 100 mm pitch and height of 150 mm. **[10]**
3. Draw the oblique drawing of the following orthographic drawing: **[20]**

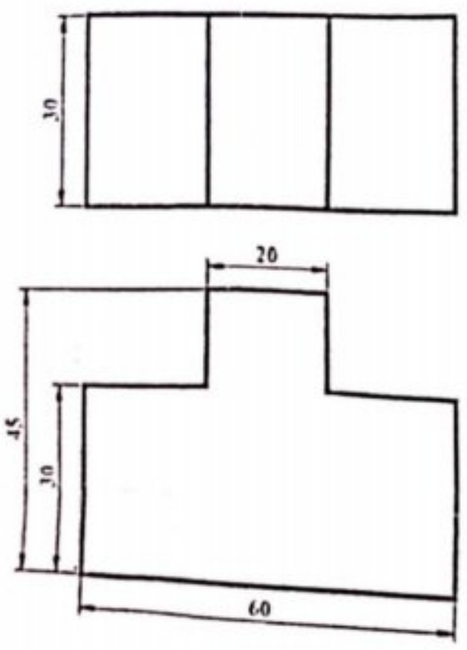


OR,

Make a complete orthographic drawing of a geometrical solid cut by a plane. Find the true shape of the section. Construct the development of the surface of solid.



4. Draw an isometric drawing of the following orthographic drawing: **[15]**



LUMBINI ENGINEERING COLLEGE

Final Internal Examination

Subject- Engineering Drawing — F.M = 100

Faculty- Computer — P.M = 45

Level- 2nd semester — Time = 3 Hrs.

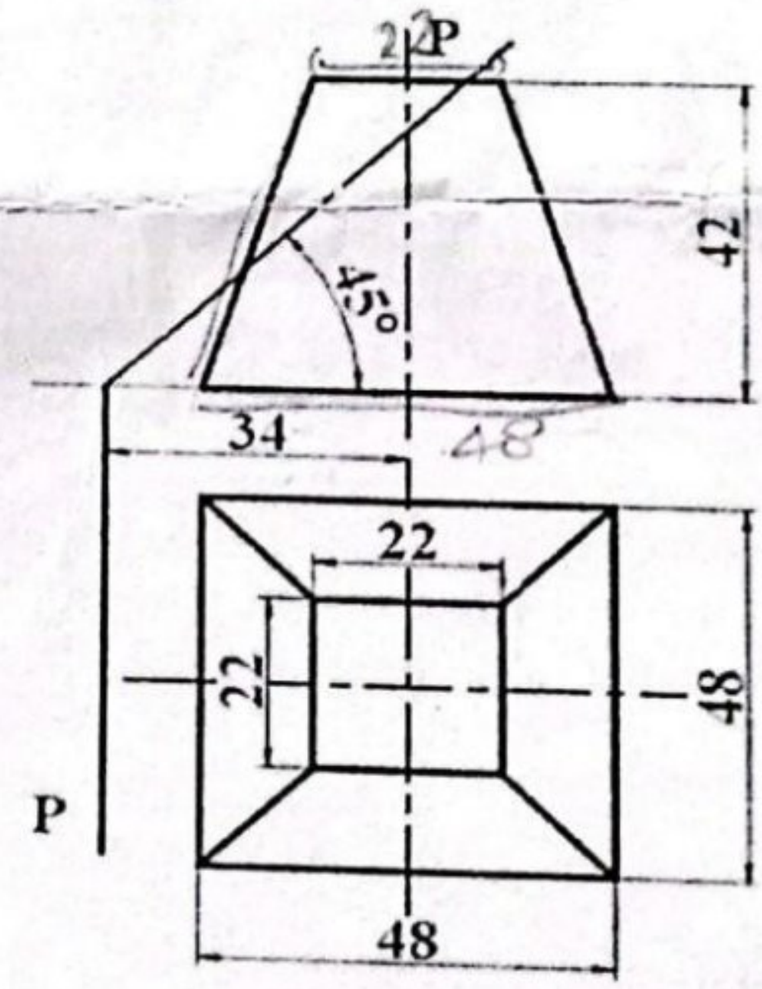
- Attempt all questions

1. Draw a helix for a cone of radius 25mm and axis height of 90mm and show its top view . [20]

   OR

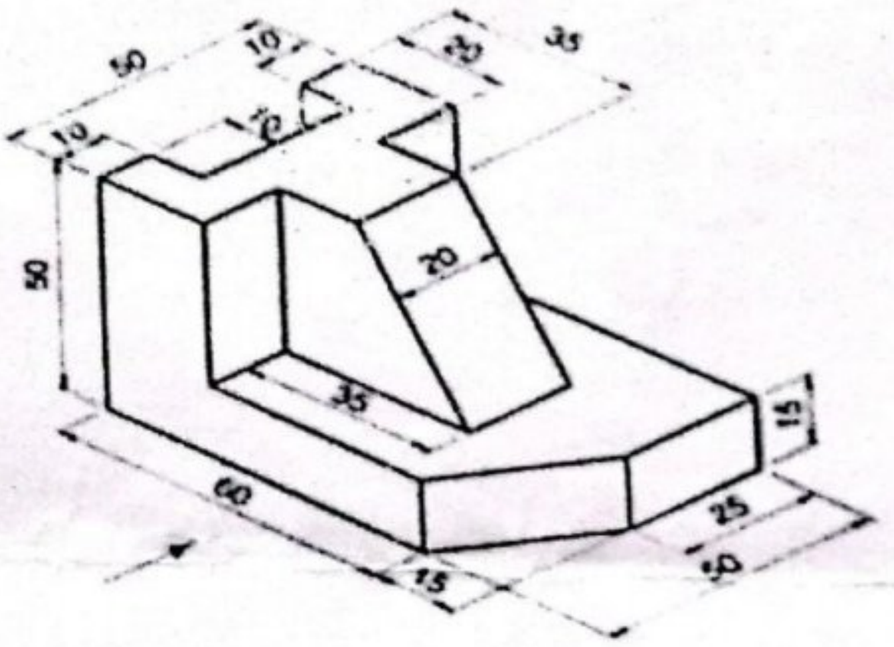
   Draw a cycloid for a circle of diameter 45mm.

2. Draw surface development of following figure. [15]

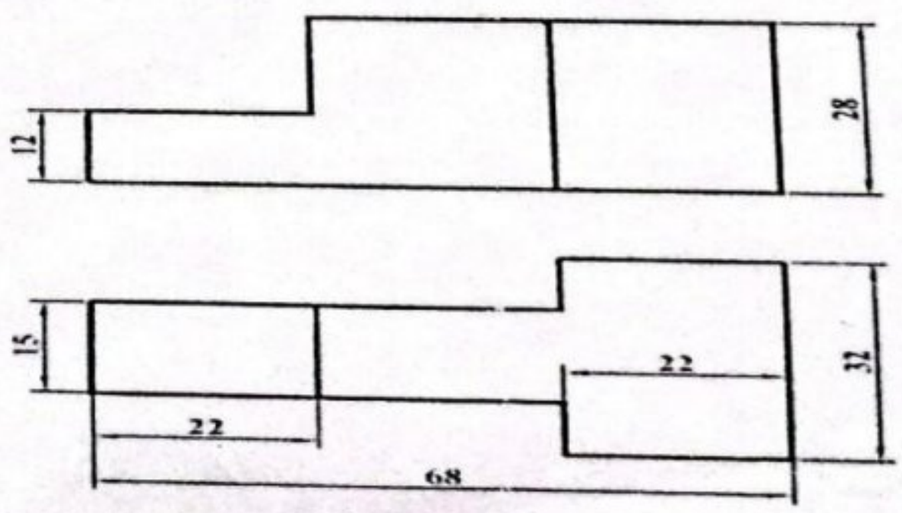


3. Draw the symbol for any ten of the following items: [10]
   Amplifier, capacitor, ac generator, voltmeter, resistor, switch, receiver, fault, three phase motor, three pole switch.
   for autocad items: circle, polyline, fillet, dimension style and rectangle.

4. Draw orthographic projection for the figure given below. [35]



5. Draw oblique drawing of the following orthographic drawings. 1201



OR

An object of sides 25x45x65 is given whose front face is parallel to PP. The station point lies 50mm right of the axis line. Draw the perspective view if vanishing point is 55mm below PP and 75 mm above of GP.

.....All the Best .....

LUMBINI ENGINEERING COLLEGE

Level: Bachelor
Programme: BE
Course: Basic Engineering Drawing

INTERNAL EXAM

Year: 2024
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

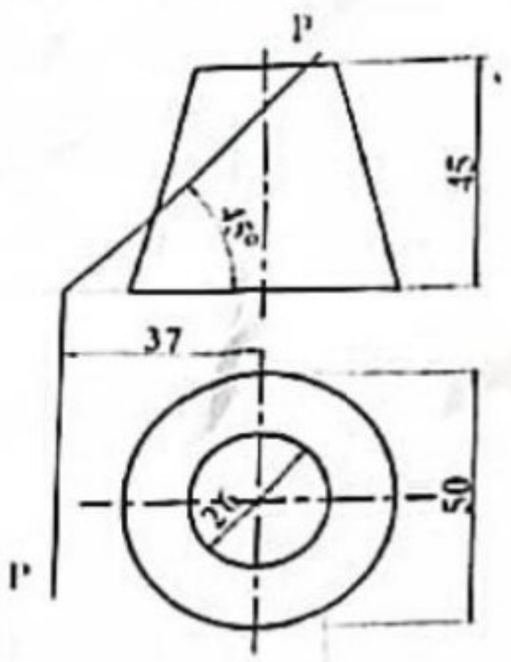
Candidates are required to give their answers in their own words as far as practicable.
Attempt all the questions.

1. Draw an involute for a circle of radius 20 mm. Also draw tangent and normal at any relevant point. [20]

   OR

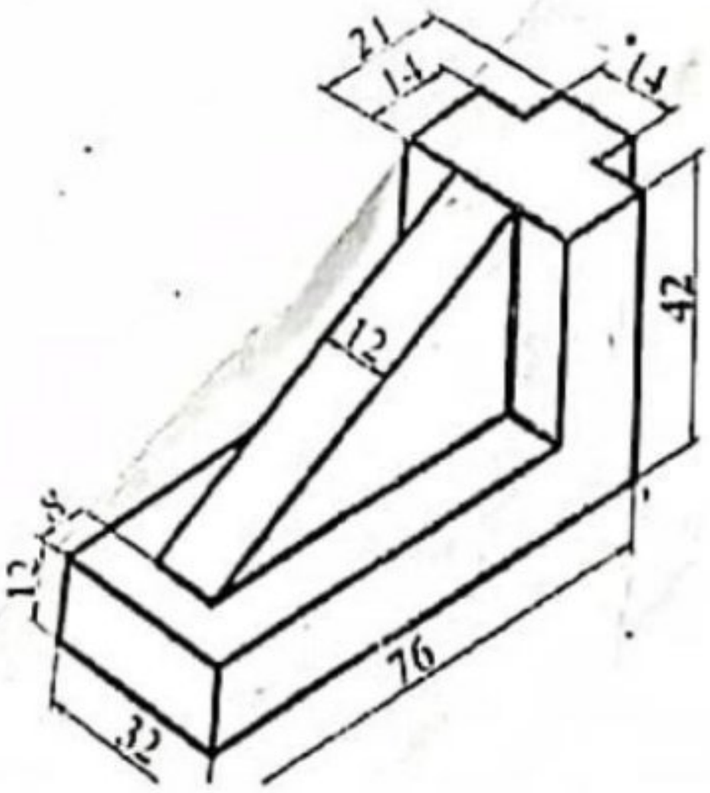
   Draw a conical helix for the cone having base diameter of 50mm and axis height 90mm. Also show the points in top view.

2. Draw surface development of following figure. [15]

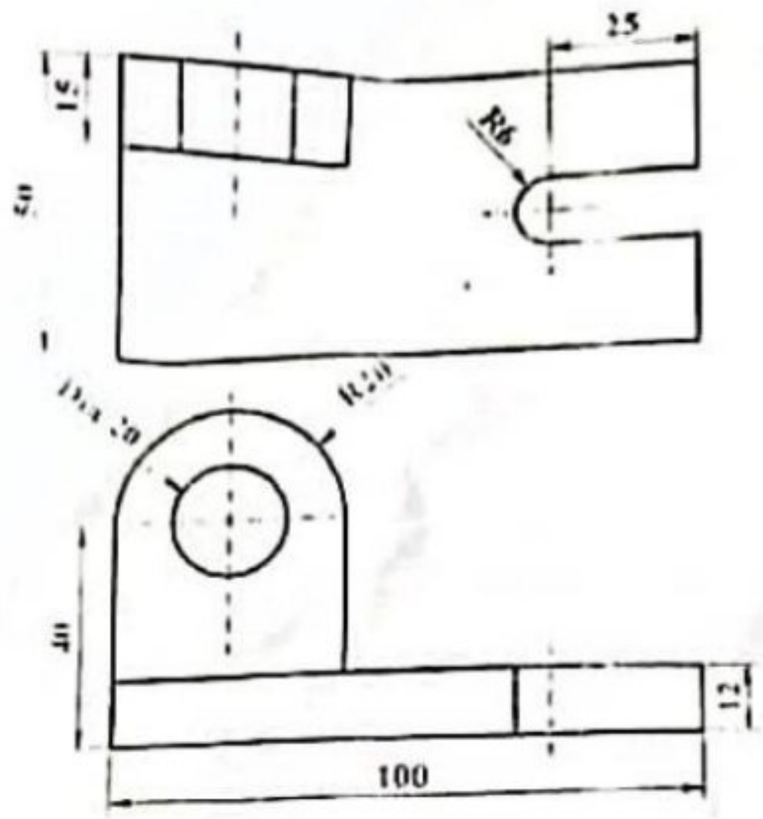


3. Draw the symbol for any ten of the following items: [10]
   Amplifier, capacitor, ac generator, voltmeter, resistor, switch, receiver.
   for autocad items: rectangle, trim, fillet, dimension style, line, circle

4. Draw orthographic projection for the figure given below. [35]

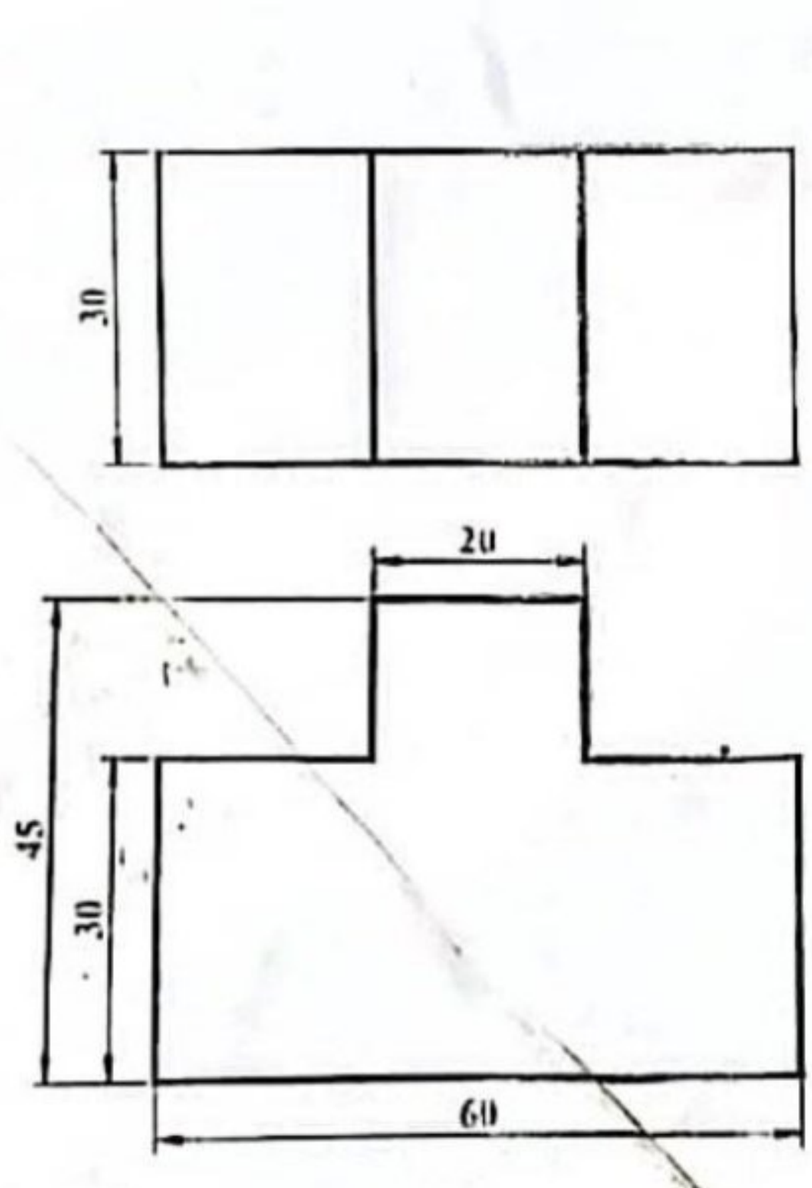


5. Draw oblique drawing of the following orthographic drawings. [20]



OR

Draw perspective drawing using the information given below:



POKHARA UNIVERSITY
FACULTY OF SCIENCE & TECHNOLOGY
SCHOOL OF ENGINEERING

Exam	Final Internal Examination 2024		
Level	B.E.	F M	100
Program	BoCE	PM	45
Year/ Part	I/II	Time	3 Hrs

Subject: Basic Engineering Drawing

Candidates are required to give answers in their own practice as far as practicable.
The figure in the margin indicates full marks. Assume suitable data if necessary.
Attempt all the questions.

1. A circle of 50mm diameter rolls on a straight line without slipping. Trace the locus of a point on the circumference if the circle rolls for one and half revolution. Name the curve. **15**

2. Draw complete orthographic views of **Figure 1.** **30**

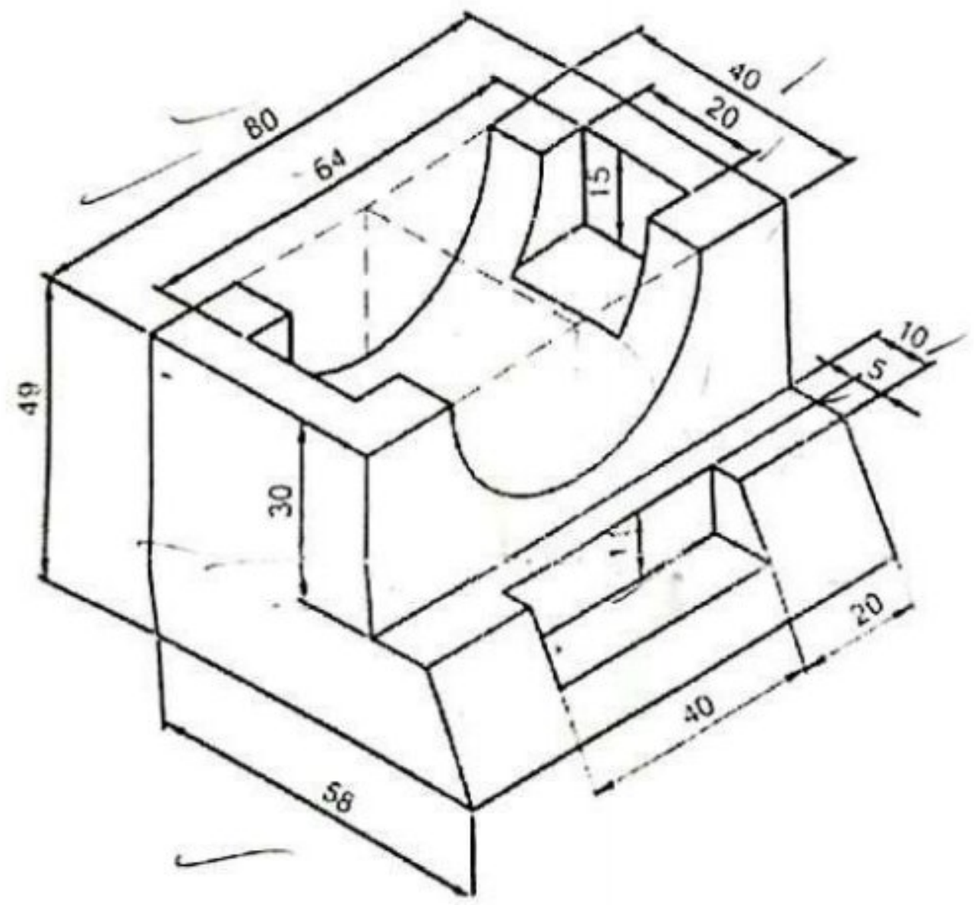


Figure 1

3. A vertical cylinder of 50 mm diameter and 70 mm height is penetrated by another cylinder of 40 mm diameter and 70 mm height, the axis of which bisects the axes of vertical cylinder horizontally. Draw projections showing curves of intersections. **15**

4. A regular hexagonal prism of side 30 mm and height 40 mm is lying on the ground. Its side BC touches the PP and is parallel to that plane. The station point is 40 mm in front of PP, 80 mm above the ground plane and 30 mm left to the central plane. Draw its perspective view. **15**

OR,

Make a complete orthographic drawing of a geometrical solid cut by a plane. Draw the true shape of the section. Construct the development of the surface of the solid.

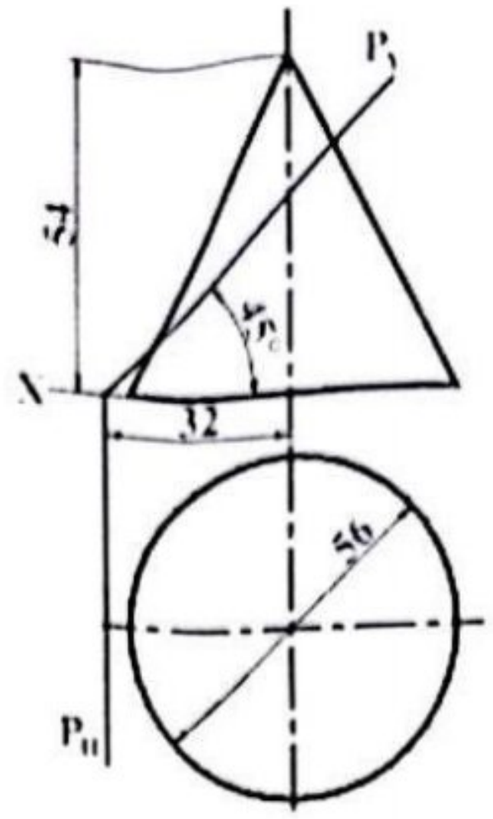


Figure 2

5. Draw the isometric view of the two views in the **Figure 3**. **20**

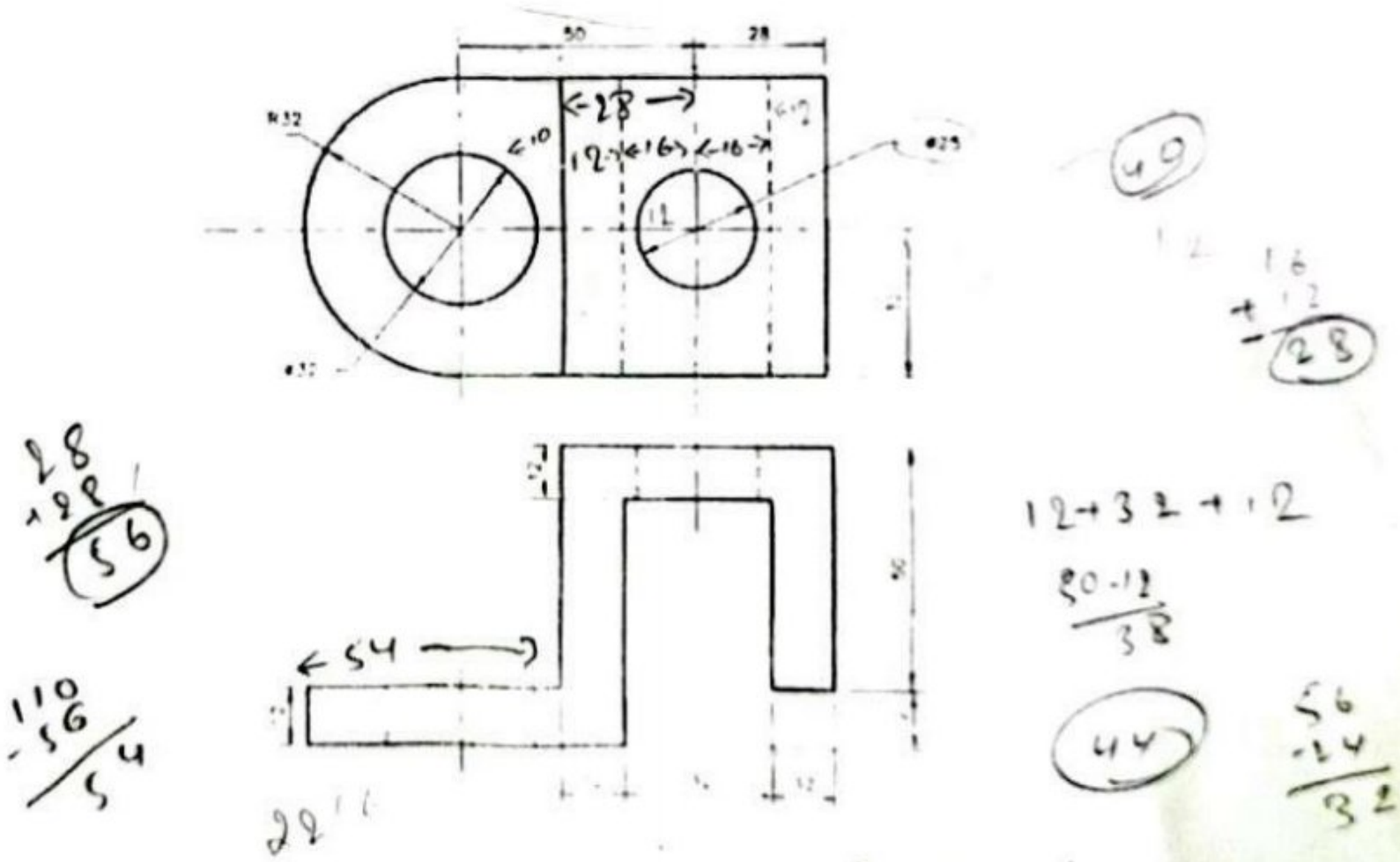


Figure 3

6. Draw the symbols of the listed items. **(any five)**

i. Rectifier
ii. Chamfer
iii. NPN Type Transistor
iv. Array
v. Capacitor
vi. Nipple
vii. Fuse
viii. Offset
ix. Fault
x. Dam

*** *Best of Luck* ***