



JAO-1601390201010700 Seat No. _____
First Year B. A. (ID) (Sem. I) (CBCS) Examination
November - 2019
Technical Representation Drawing-I

Time : 3 Hours]

[Total Marks : 50

- Instructions :** (1) All questions are compulsory.
(2) Any ambiguity will be considered as a wrong answer.

PART - A **10**

Draw one point perspective for the following objects :

- 1** Pentagonal Prism – Side 4cm, Height 6cm
Condition : Take picture point at the center of the object, vanishing point and spectator point on the left hand side corner.

OR

- 2** Hexagonal pyramid – Side 3 cm, Height 6 cm.
Condition : Take picture point 1 cm above the object, vanishing point and spectator point on the right hand side corner.

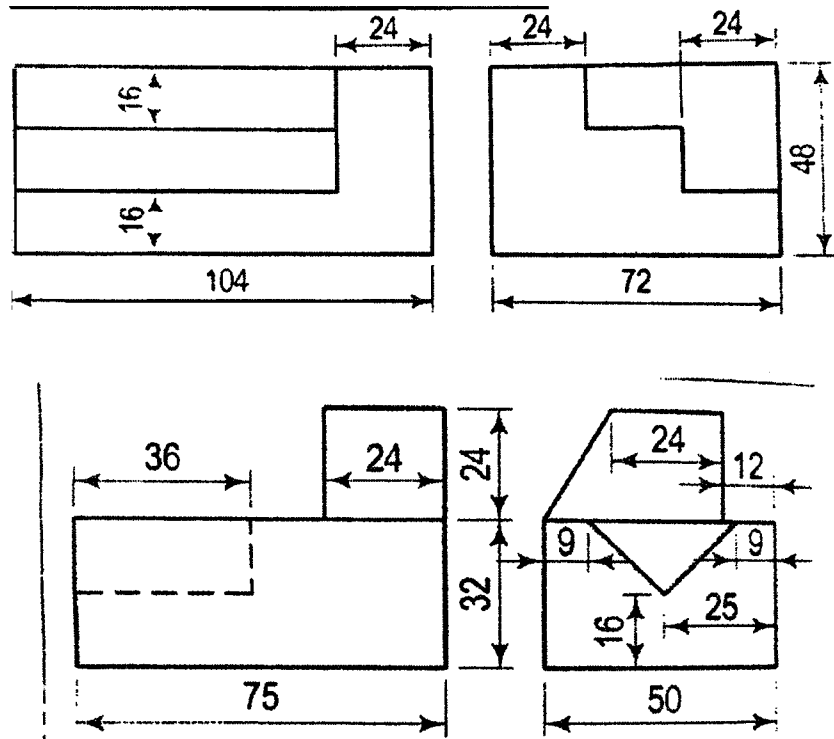
PART - B (Any 2) **10**

- 1** Draw the projections of a circle of 60mm diameter, having its plane inclined at 45° to the V.P. and perpendicular to H.P. Its center is 30mm above the H.P. and 20mm in front of the V.P.
- 2** Draw the projections of a cylinder 50mm diameter and 75mm long, lying on the ground with its axis inclined at 30° to the V.P. and parallel to the ground.
- 3** Draw the projections of a pentagonal prism, base 30mm and axis 50mm long, resting on one of its rectangular faces on the H.P., with the axis inclined at 45° to the V.P.

PART - C

15

- 1 Draw plan, elevation and isometric view of any one of the following figures : (all dimensions are in mm)



PART - D

15

- 1 A cylinder of 40mm diameter, 60mm height and having its axis vertical, is cut by a section plane, perpendicular to the V.P, inclined at 45° to H.P. and intersecting the axis 32mm above the base. Draw its front view, sectional top view, sectional side view and true shape of the section.

OR

- 2 A cone, base 75mm diameter and axis 80mm long is resting on its base on the H.P. It is cut by a section plane perpendicular to the V.P, inclined at 45° to the H.P. and cutting the axis at a point 35mm from the apex. Draw its front view, sectional top view, sectional side view and true shape of the section.