



NBO-1601390101020900 Seat No. _____

First Year B. A. (ID) (Sem. I) Examination

April / May - 2017

Technical Representation Drawing - II

Time : 2 Hours]

[Total Marks : 50

Instructions :

1. All questions are compulsory and carry equal marks.
2. Any ambiguity will be considered as a wrong answer.

- 1 A vertical square prism, base 25mm side and height 50mm has a face inclined at 30 degree to VP. It is completely penetrated by another square prism, base 20mm side and height 50mm, has a face inclined at 45 degree to the VP. The axis of both the prisms are parallel to VP and bisects each other at center. Draw the projections showing lines of intersection.

OR

- 1 A vertical cylinder of 40mm diameter and 50mm height is penetrated by another cylinder of 30mm diameter and height 60mm. The axis of both the cylinder is parallel to the VP and bisects each other 4mm apart. Draw the projections showing curves of intersection.

- 2 A vertical cylinder of 30mm diameter and 40mm height is penetrated by a horizontal square prism 20 mm side and height 40mm. The axis of which is parallel to the VP and 5mm away from the axis of the cylinder. A face of the prism makes an angle of 30 degree with the HP and axis parallel to the VP. Draw their projections, showing curves of intersection.

OR

2 A vertical cone diameter of base 45mm and 60mm height is penetrated by a cylinder of 25mm side and height 55mm. The axis of the cylinder is parallel to the VP and the HP and intersects the axis of the cone at a point 15mm above the base. Draw the projections of the solids showing curves of intersection.

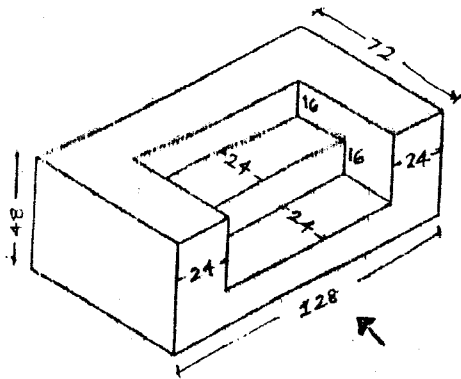
3 Draw the development of surfaces of Q.1

4 A cube 40mm side with axis parallel to VP and perpendicular to HP, stands 100mm above VP and 50mm away from VP. Draw the sciography of it.

OR

4 A cylinder 40mm diameter, height 50mm with axis parallel to VP and HP, stands 30mm above VP and 50mm away from VP. Draw the sciography of it.

5 Draw plan, elevation and side elevation of the given object :



OR

