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

April / May- 2018

Technical Representation Drawing - II

Time : **3** 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 cuboid base 30mm side and height 60mm has a face inclined at 30 degree to VP. It is completely penetrated by another cuboid base 25mm side and height 60mm long, -has a face inclined at 45 degree to the VP. The axis of both the prism is 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 long. 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 40mm diameter and 60mm height is completely penetrated by another cylinder of 30mm diameter and height 60mm. The axis of both the solid is parallel to VP and bisects each other at center. Draw tine projections showing curves of intersection.
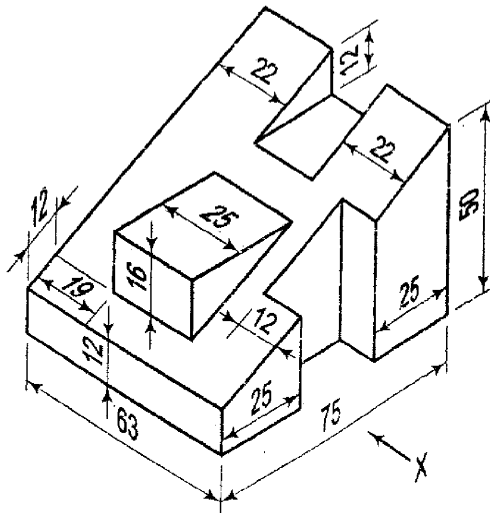
OR

A vertical cone, base diameter of 40 mm and 60mm height is penetrated by a square prism 20 mm side and height 60mm. The axis of the prism is parallel to the VP -and 5mm away from the axis of the cone, has a face inclined at 45 degree to the VP. The axis of the cone is also parallel to the VP. Draw the projections 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

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