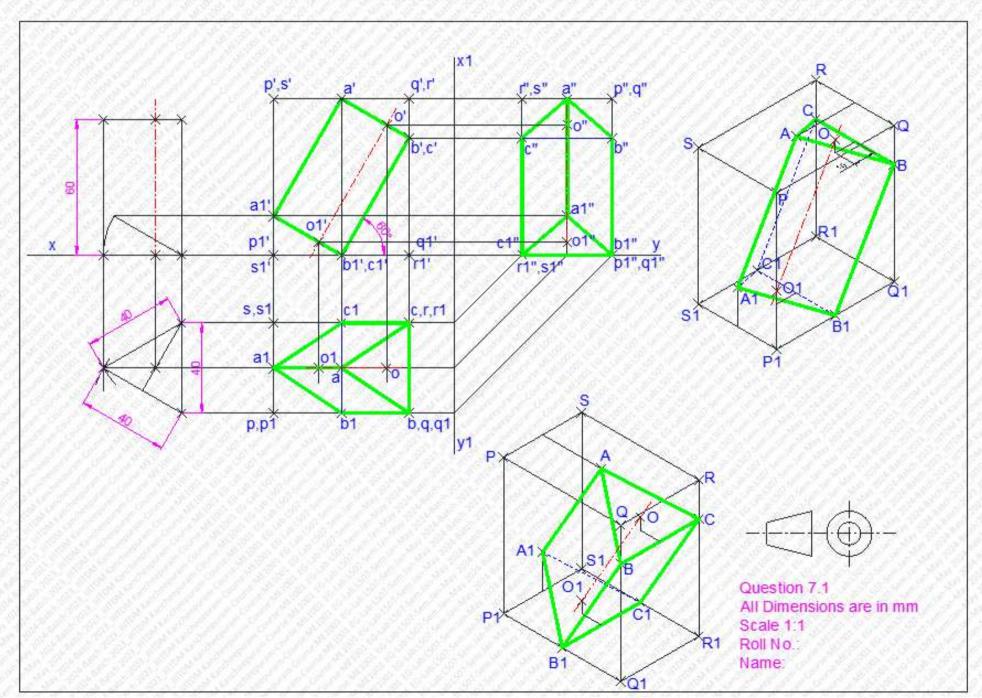
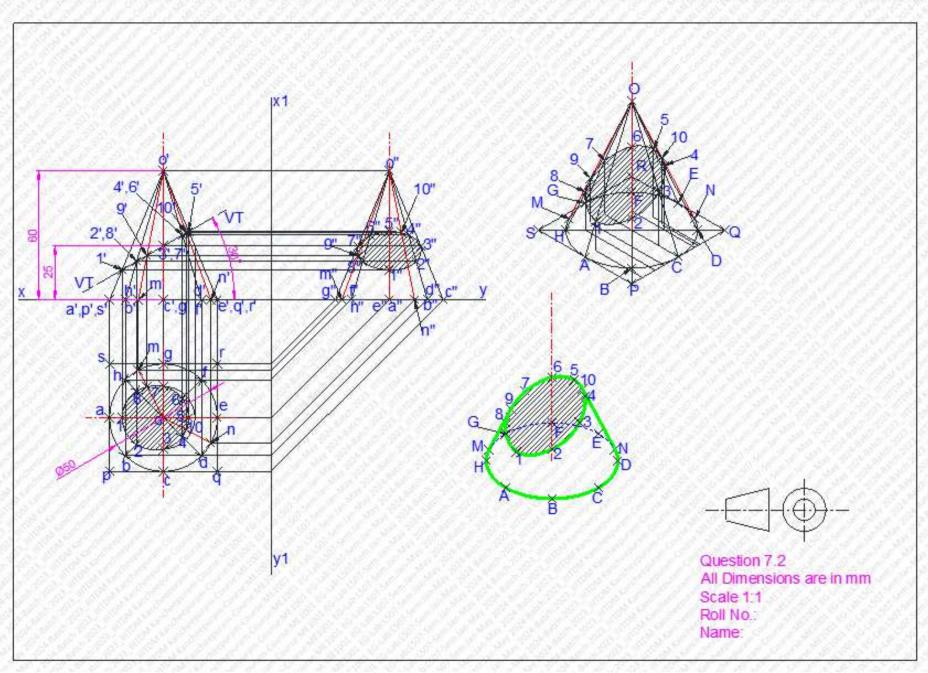
7.1 An equilateral triangular prism, with edge of base 40 and axis 60 long, lies on one of its base edges on HP and the rectangular face containing that edge is inclined at 60° to HP. Draw the isometric view of the solid. (5 Marks)

Ref.: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, Page No.: 624, Problem 12, Fig. 16.24.



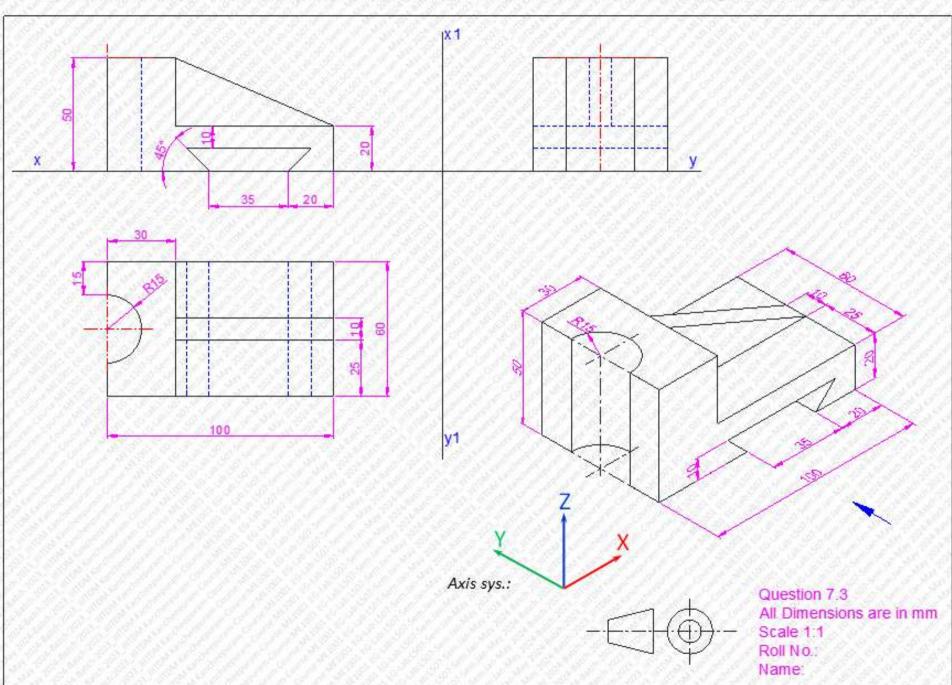
7.2 A cone of base diameter 50 and axis 60, rests with its base on HP. A section plane perpendicular to VP and inclined at 30° to HP passes through the axis, at a distance of 25 above the base. Draw the isometric view of the truncated cone. Clearly show the cut-surface in isometric view. (10 Marks)

Ref.: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, Page No.: 629, Problem 20, Fig. 16.32.



## 7.3 Draw the isometric view of the object shown in Fig. 7.3. Align the front view parallel to XZ plane of the given axis system. (5 Marks)

Ref.: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, Page No.: 647, Fig. 16.62.



## 7.4 Draw the isometric view of the object shown in Fig. 7.4. Align the front view parallel to YZ plane of the given axis system. (5 Marks)

Ref.: Narayana. K.L, and Kannaiah. P, Engineering Drawing, Scitech Pub. Pvt. Ltd, 3rd Edition, Page No.: 197, Fig. 6.58.

