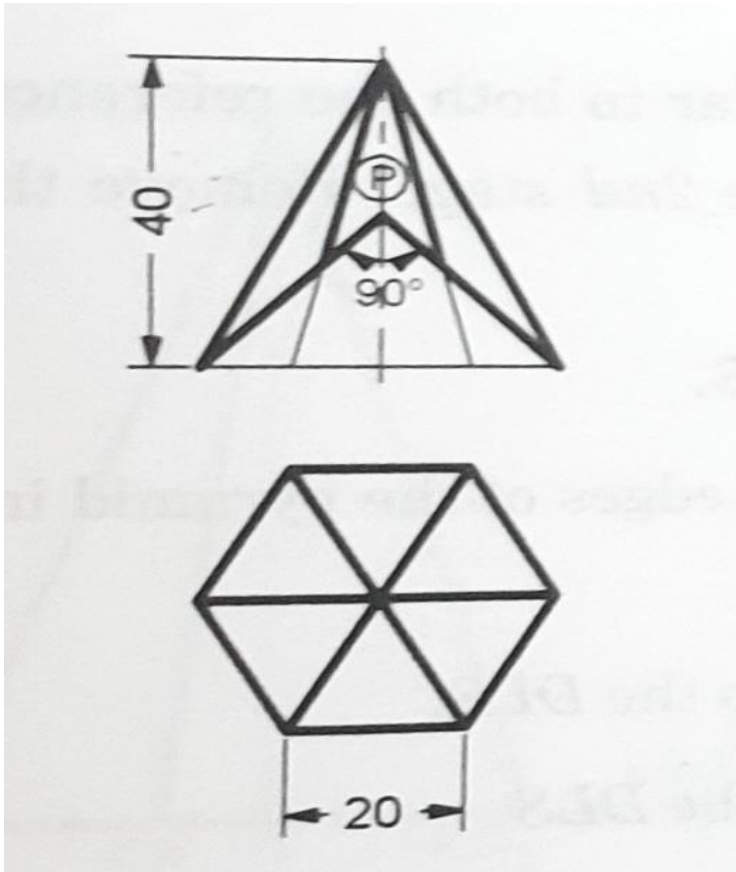


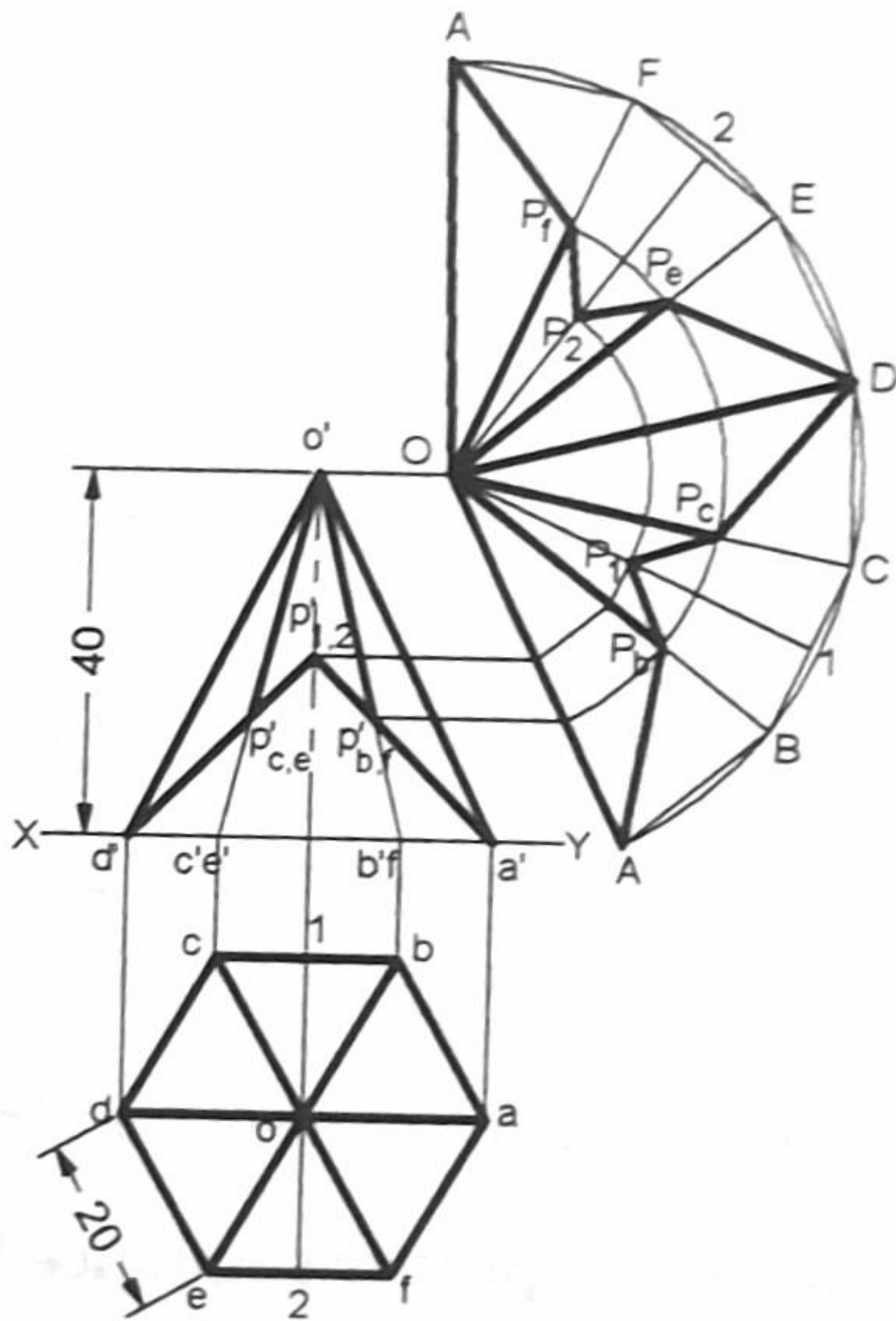
EG Assignment

Unit 6 Development of Lateral Surfaces

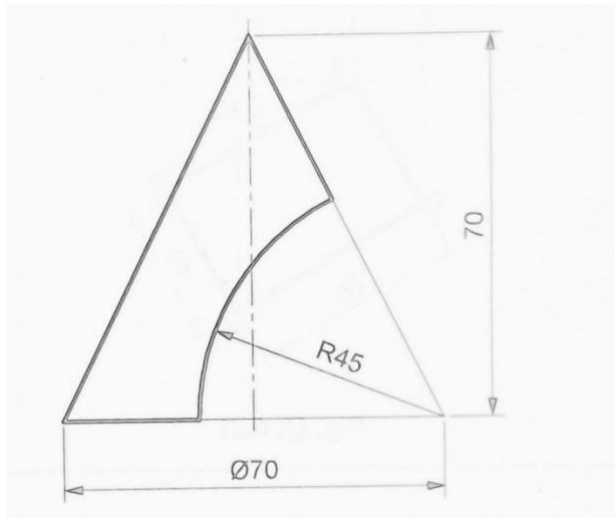
Q1. Fig. Shows hexagonal pyramid with base kept on H.P. , with an edge of base parallel to V.P. , having base side 20 mm and axis 40 mm long. It is cut by two section planes passing through the extreme corners of base making 90 degree on the axis. Develop the lateral surface of part P.



HINT:

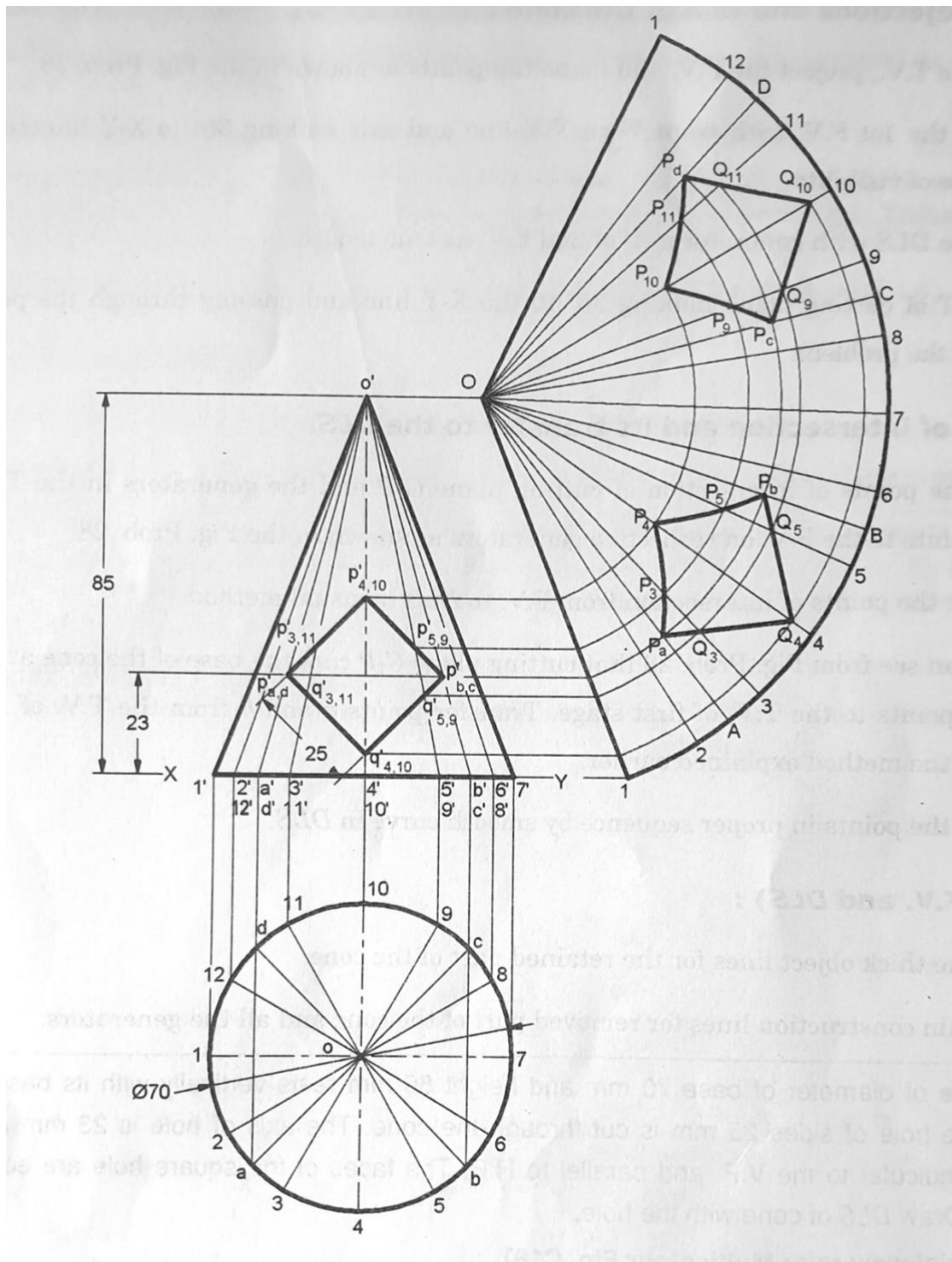


Q2. Fig. Shows Front View of a cone, cut by cylindrical plane as shown, Draw development of cone coating apex.



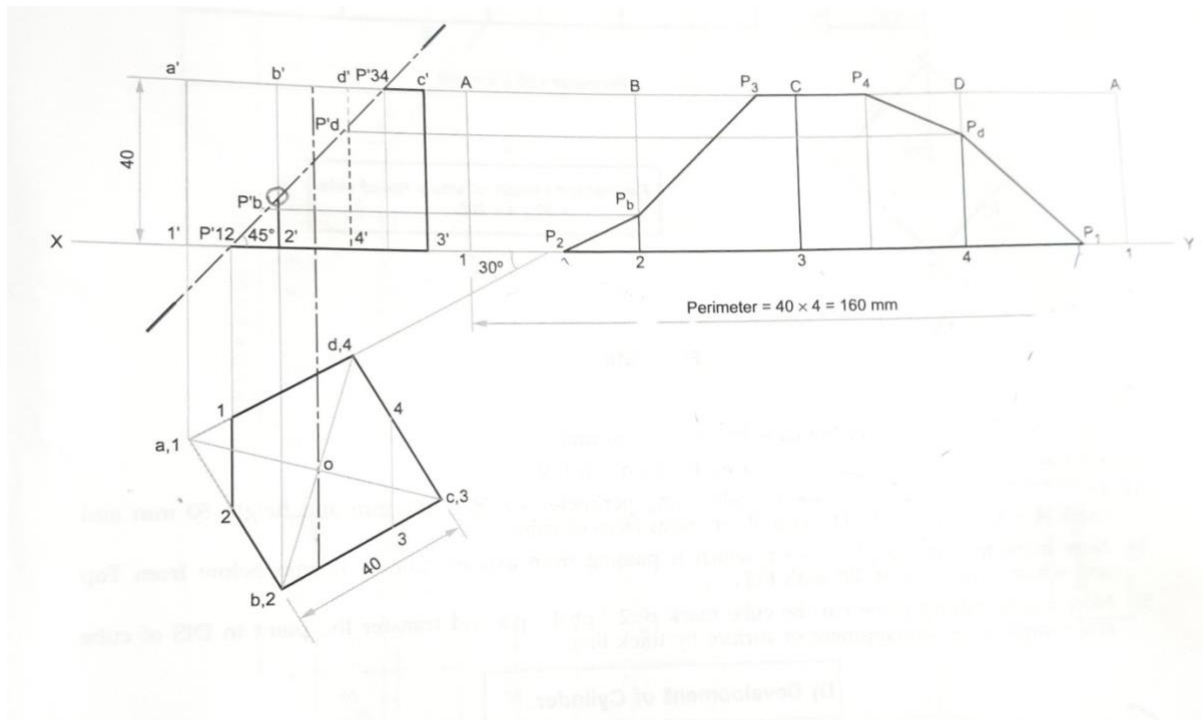
Q3. A cone of base diameter 70 mm and height with base on H.P. A square hole of side 25 mm is cut through the cone. Axis of hole is 23mm , above the base perpendicular to V.P., and parallel to H.P. The faces of the square hole are inclined to H.P. Draw DLS of Cone with the hole.

Hint:

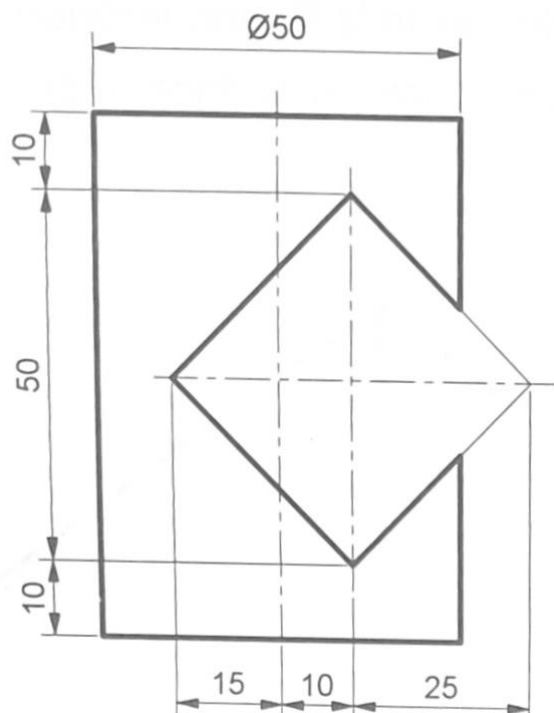


Q4. A Cube of side 50 mm resting its base on HP such that one of its vertical faces is inclined at 30 degree. to the VP. It is cut by a section plane perpendicular to VP, inclined at an angle 45 degree to H.P. and passes through the mid point of the axis. Draw the development of lower lateral surface of the cube.

Hint:



Q5. Fig shows a cylinder cut with a square hole Draw development of its Lateral Surface



Hint :

