Qn.1. A line AB, 80mm long, makes an angle of 60 with the H.P. and lines in an auxillary vertical plane which makes an angle of 45 with the V.P. its end A is 10mm away from both H.P. and V.P. Draw the projections of AB and determine 1. Its true inclination with V.P. 2. Its stresses.   8Marks

Qn.2. A line AB, 80mm long is inclined at 30 to the H.P. and its top view makes an angle of 60 with XY line. The end A is in H.P. and 12mm infront of V.P. Draw its front view and find its true inclination with V.P. Point B is below H.P. and behind V.P. .   8Marks

Qn.3. A line AB, 60mm long makes an angle of 60 with the H.P. and lies in an auxillary vertical plane which makes an angle of 45 with V.P. Its end A is 20mm away from both the planes H.P. and V.P. Draw the projections of line AB, its true inclination with V.P. and its traces. The line AB is in 1st quadrant.
                                                                                           8Marks

Qn.4. A line AB is 75mm lomg and lies in an auxillary plane which makes an angle of 45 with the H.P. The front view of the line measures 55mm. The end A is in V.P. and 20mm above H.P. Draw the projections of the line AB and its inclination with the H.P. and V.P.   8Marks

Qn.5. The side view of a line PQ 75mm long makes an angle of 45 to the ground and measures 50mm. The end P is on the ground and 15mm infront of V.P. Draw the top view of the line. Also deter mine its traces.   8Marks

Qn.6. A line AB, 75mm long has its one end A in the V.P. and the other end B 15mm above H.P. and 50mm infront of V.P. Draw the projections ot the lines when the sum of its inclination with the H.P. and V.P. is 90. Determine the true angles of inclination and its traces.   8Marks

7.A pentagonal prism edge of base 30 mm and axis 70 mm long rest on H.P. on a edge of base, with that edge perpendicular to V.P. and axis inclined at 45 ^{0} to H.P. and parallel to V.P. Draw F.V and V.P.

8.A cone of 55 mm dia. And 70 mm long has its axis vertical. It is cut by a section plane perpendicular to V.P. inclined at 45 ^{0} to H.P. and intersecting the axis 40 mm . above the base. Draw front view , sectional Top view, Sectional side view and true shape of the section.

9.A square prism edge of base 25 mm and axis 60 mm long rest on H.P. on a edge of base, with that edge perpendicular to V.P. and axis inclined at 45 ^{0} to H.P. and parallel to V.P. Draw F.V and V.P.

10.A cylinder with radius 30 mm and and axis 50 mm long is resting on one of its triangular faces on H.P. such that the axis is parallel to VP and 50 mm in front of V.P. Draw three views.

11.A cube of 45 mm. long edge has its vertical faces equally inclined to VP. It is cut by a section plane perpendicular to VP. So that true shape of section is regular hexagon. Determine the inclination of cutting plane with HP. And draw sectional TV and True shape of the section.