**Assignment Questions for Sketch Book**

**Sheet No.4 – Projection of Straight Lines Inclined to One Plane (Simple lines)**

1. A line AB 60 mm long has its end A 20 mm above HP and 30 mm in front of VP. The line is kept inclined at 40° to HP and parallel to VP. Draw its projections.
2. A line CD 60 mm long has its end C 20 mm above HP and 30 mm in front of VP. The line is inclined at 40° to VP and parallel to HP. Draw its projections.
3. A line AB rests with its end A in HP and 15 mm in front of VP. Its elevation length is 50 mm. The line is inclined at 45º to VP and parallel to HP. Draw its projections and find the true length of the line.
4. A line AB 60 mm long has its end A 15 mm above HP and 20 mm in front of VP. Its front view has a length of 40 mm. The line is kept parallel to HP and inclined to VP. Draw its projections and find the true inclination of the line with VP.
5. A line RS 70 mm long has its end R 20 mm above HP and 25 mm in front of VP. The line is inclined to HP and parallel to VP. Draw its projections when the distance between the projectors is 45 mm.
6. A line EF 50 mm long is in VP and inclined to HP. The top view measures 30 mm. The end E is 10 mm above HP. Draw the projections of the line and find its inclination with HP.