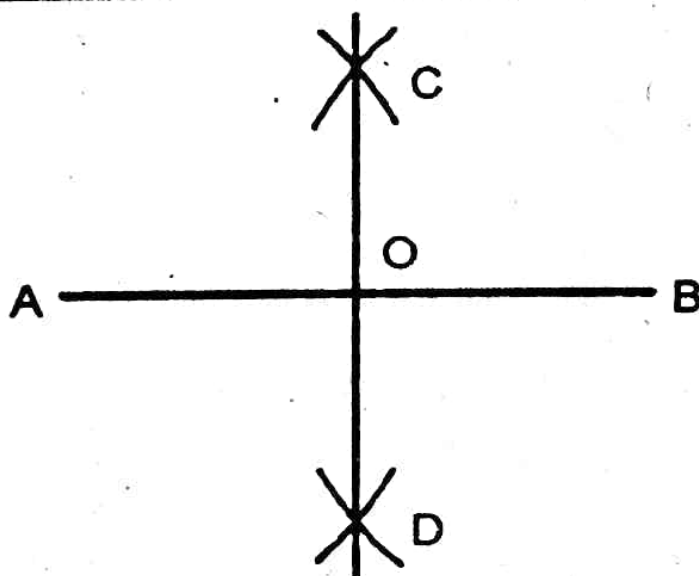## 1. To Divide a Straight Line into Two Equal Parts

Procedure

- Draw a horizontal line AB.

- With centre A and radius greater than half of AB, draw arcs on both sides of AB.

- With centre B and radius greater than half of AB, draw arcs intersecting the previous arcs at C and D.

- Draw a line joining C and D.

- So, AO = OB

2. **To Draw a Perpendicular to a Given Straight Line When the Point is at the End of the Line**

Procedure

- Draw a horizontal line AB.

- With centre A, draw an arc on line AB which meets AB at the point E.

- With centre E and AE as the radius draw an arc 'C' on the previous arc.

- With the same arc, draw the arc from point C and D and we will get point O.

- Draw a line joining O and A. Then we get AO perpendicular on line AB at a point A.