- State under what circumstances it becomes necessary to take cross sections and give a convenient form for the field book.
- 10. The ground at station A has an even incline of 1 in 10 in cross section, the depth of cutting at the centre stake is 6 feet, the width at formation level 18 feet and the slopes 12 to 1. Required the distance of the side stakes from the centre.
- 11. The angle included between two tangents is 120° 37' and the radius of the curve 5000 feet. Find the distance of the intersection of the tangents from the point of curve.
- 12. Required the number of chords (100 feet each) in the above curve and also the deflection angle for each chord.