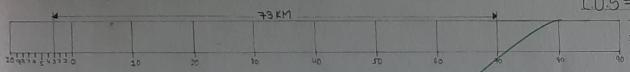
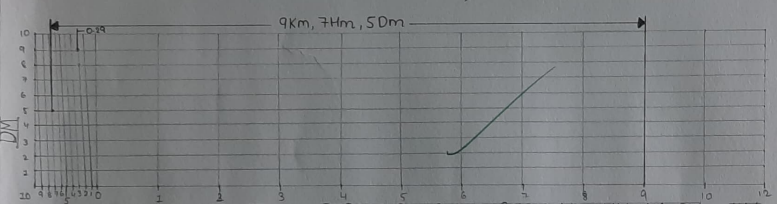
1. RF = Length of drawing / Actual length = 1cm / 5Km = 1 / 500000 & LOS = RF × Max length = 1/500000 × 10000000 = 20cm
RF = 5 × 10⁻⁵
LOS = 20 cm



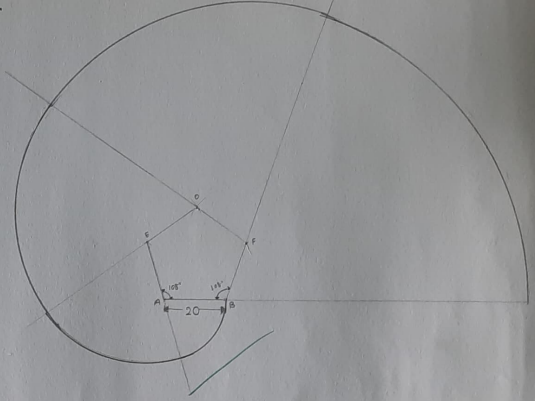
PLAIN SCALE SHOWING KM
KILOMETER

2. RF = Scale of drawing / Actual scale = √(146.59 cm²) / 55.59 Km² = 12 cm / 6 Km = 2 × 10⁻⁵ & LOS = RF × Max length = 2 × 10⁻⁵ × 12 × 10⁵ = 24 cm

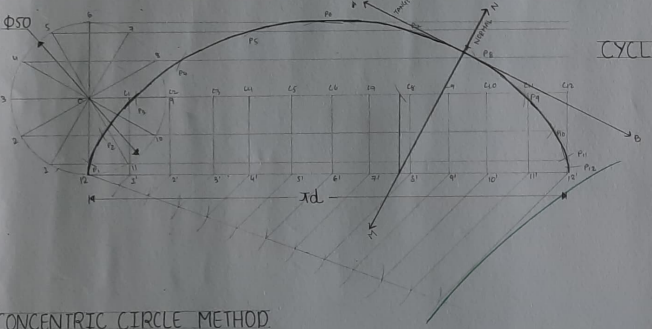


HM RF = 2 × 10⁻⁵ LOS = 24 cm DIAGONAL SCALE SHOWING KM, HM, DM KM

6.

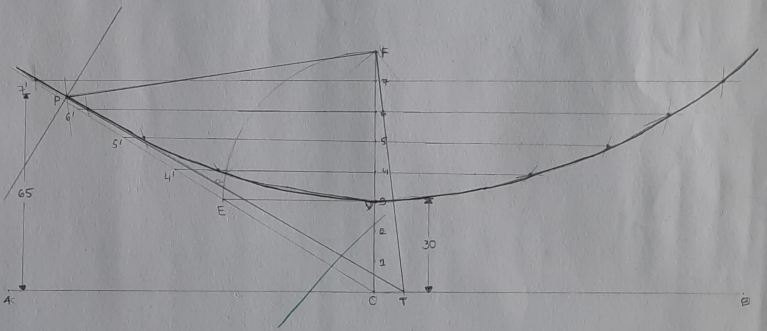


7. ΦSD



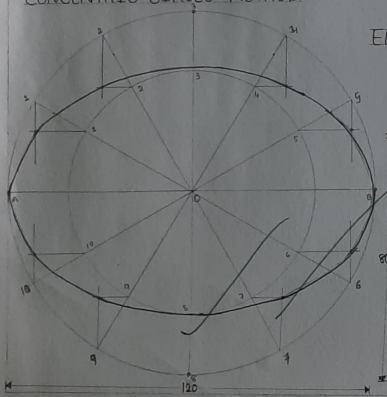
CYCLOID

5. HYPERBOLA

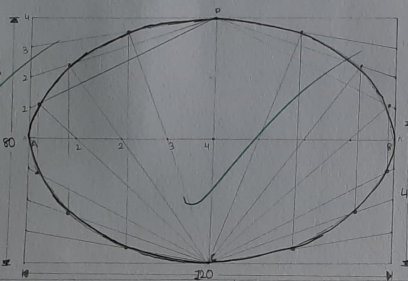


4. CONCENTRIC CIRCLE METHOD

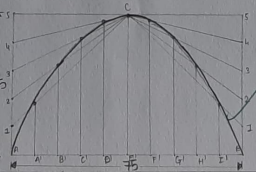
ELLIPSE



RECTANGLE METHOD



3. PARABOLA
RECTANGLE METHOD



#: DRAWING IS THE LANGUAGE OF ENGINEERS
##: ALL DIMENSION ARE IN mm

	DATE	SIGN
STD	9/11	
CMD	9/11	
MARKS	9/10	

A.M.T.I.C.S.

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EN.NO.: 202203103510097 BRANCH: CSE
DIV: C BATCH: B1
SHEET TITLE: SCALES AND CURVES
DRG NO: A.Y.: 2022-23