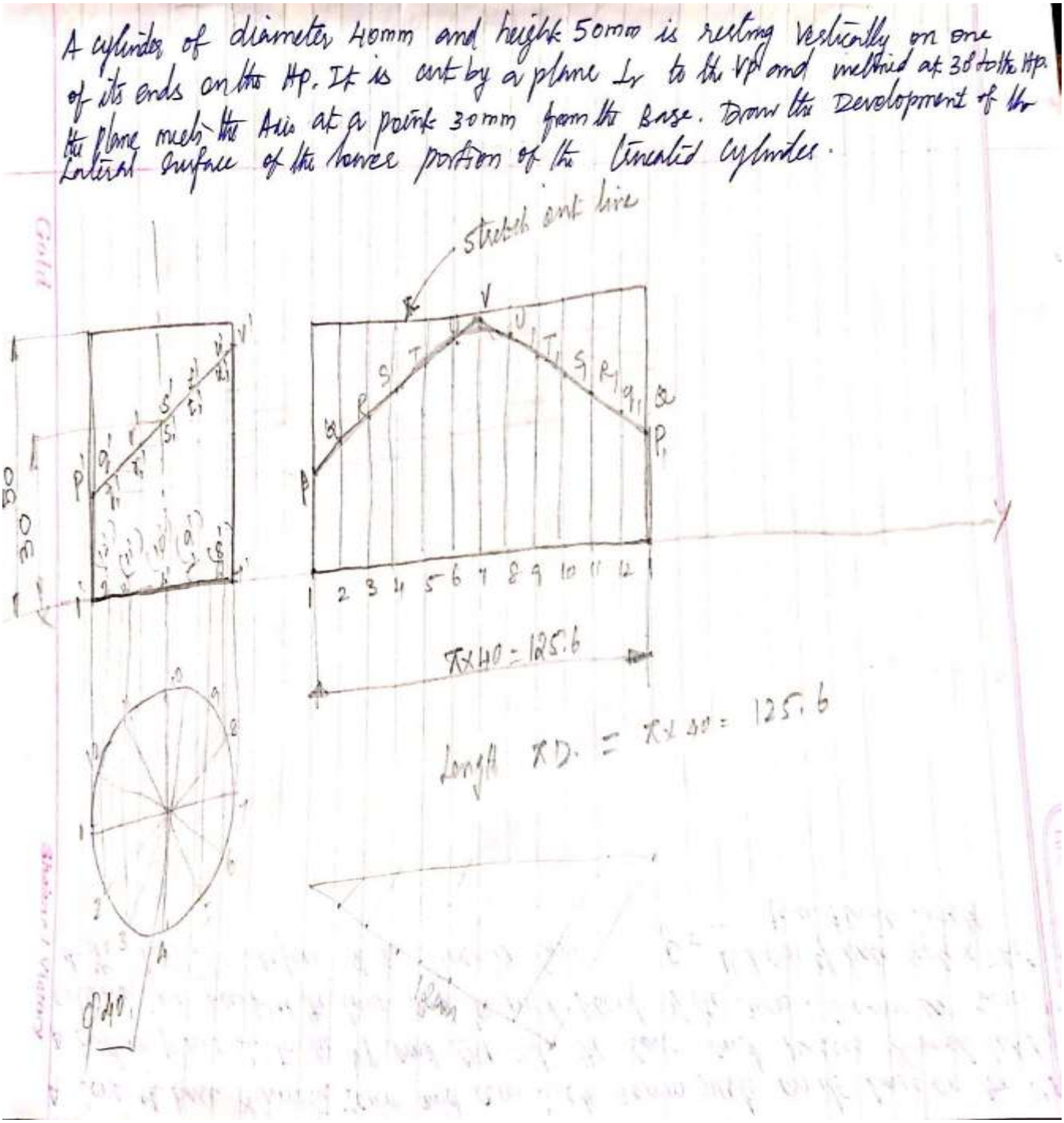
SNS COLLEGE OF TECHNOLOGY, COIMBATORE-35

DEPARTMENT OF MECHANICAL ENGINEERING

Engineering Drawing –

UNIT III Topic – DEVELOPMENT OF SURFACES

Faculty i/c: C.SENTHILKUMAR,ASP/MECH,



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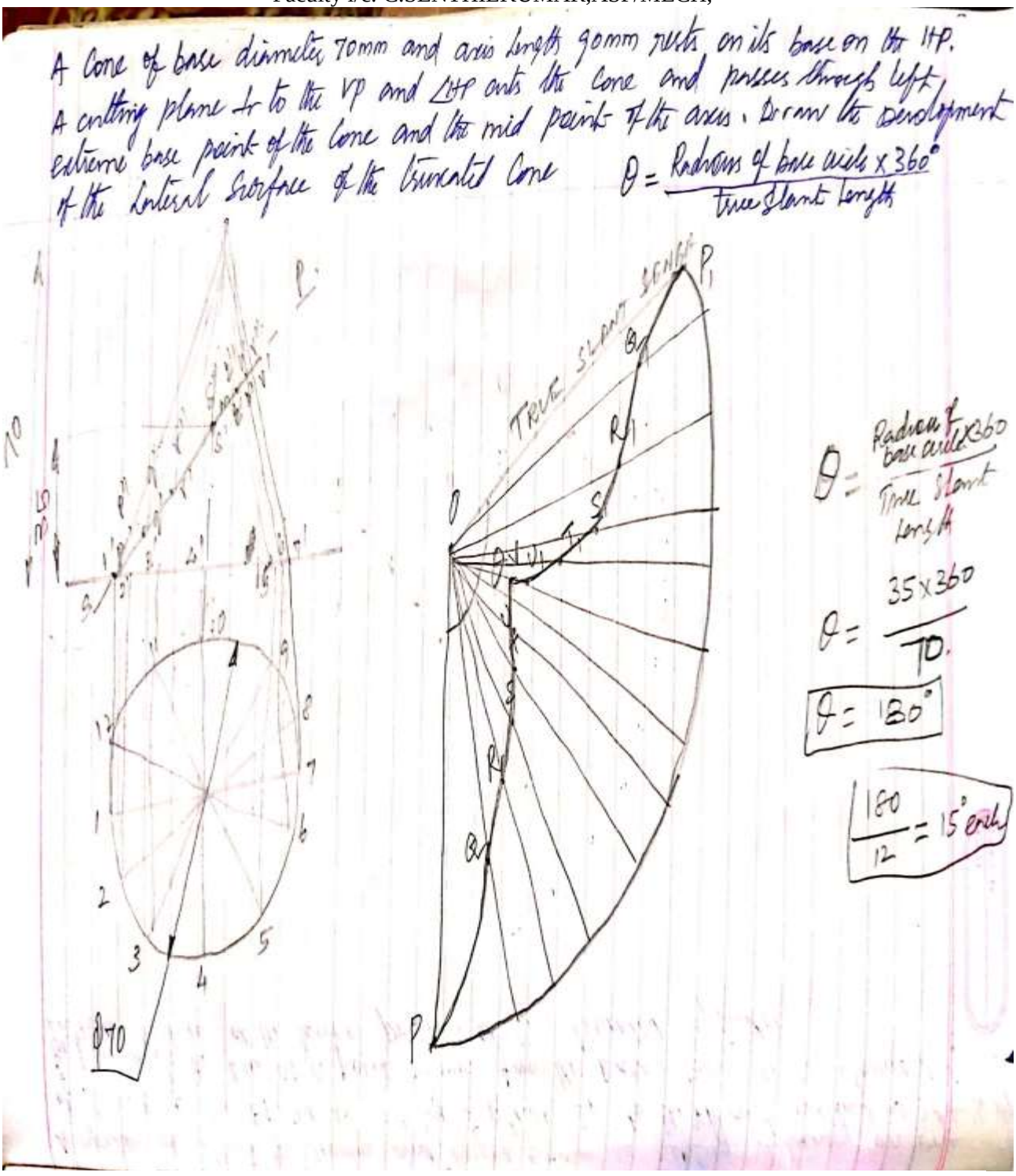
A Cone of base diameter 70mm and axis length 90mm rests on its base on the HP. A cutting plane ⊥r to the VP and ∠ the HP cuts the cone and passes through left extreme base point of the cone and the mid point of the axis. Draw the development of the Lateral Surface of the truncated Cone $\theta = \frac{\text{Radius of base circle} \times 360^\circ}{\text{True slant length}}$



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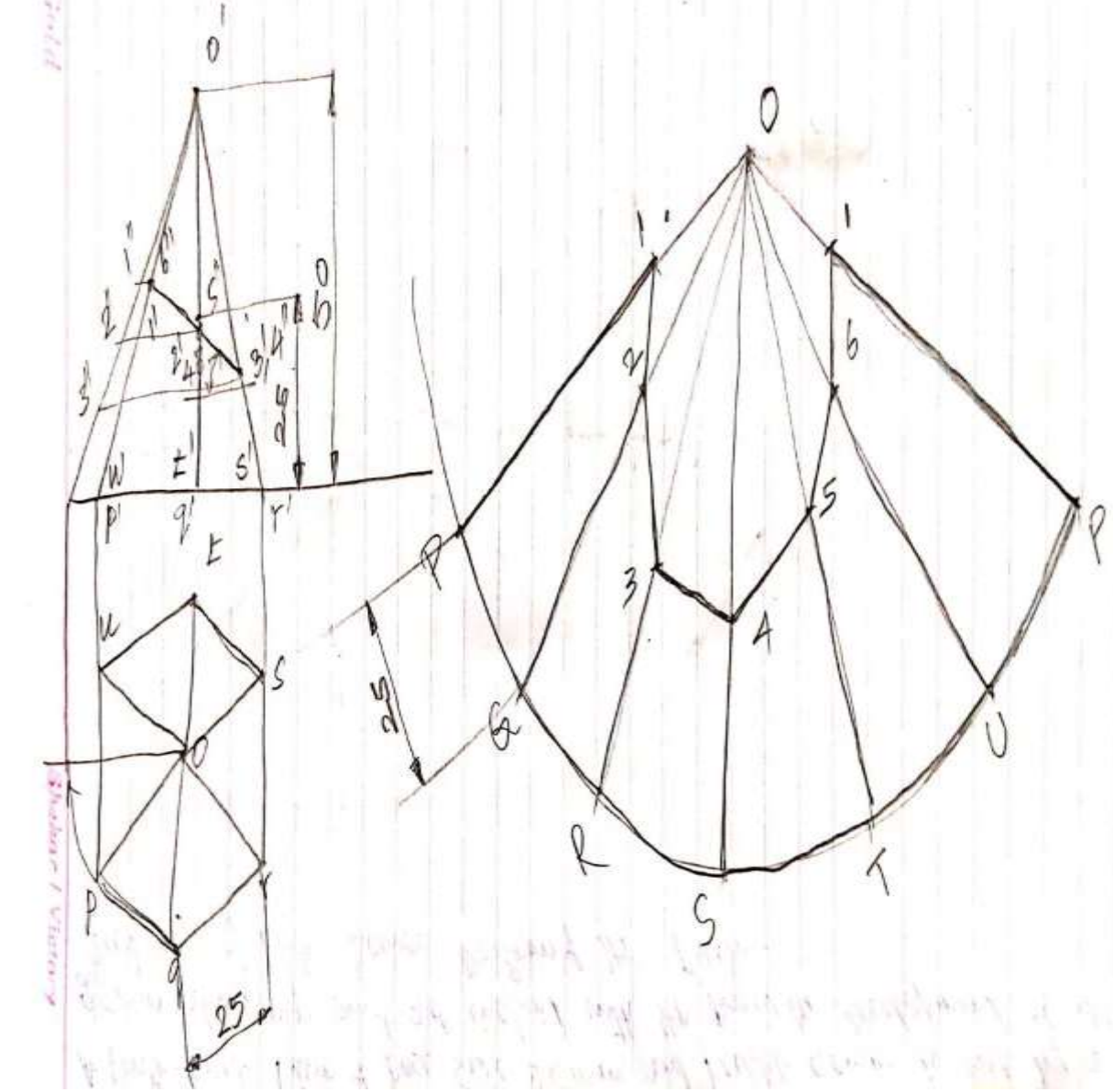
A hexagonal pyramid of base of side 25 mm and altitude 50 mm is resting vertically on its base on the ground with two of the sides of the base ⊥r to the VP. It is cut by a plane ⊥r to the VP and inclined at 40° to the HP. The plane bisects the axis of the pyramid. Draw the development of the lateral surface of the pyramid.



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