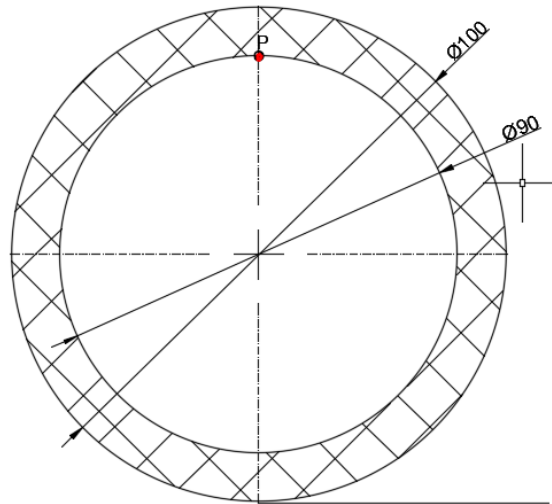


ME 159, TECHNICAL DRAWING

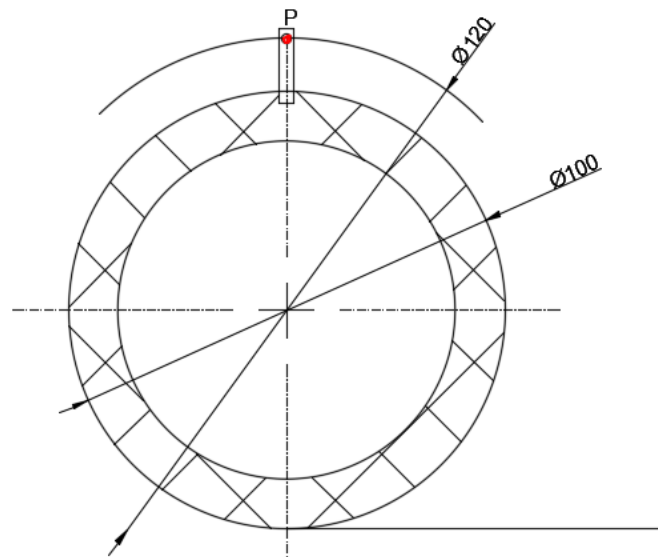
ASSIGNMENT 1 FOR THE MID-SEMESTER BREAK

Submission date: Monday, November 13, 2017.

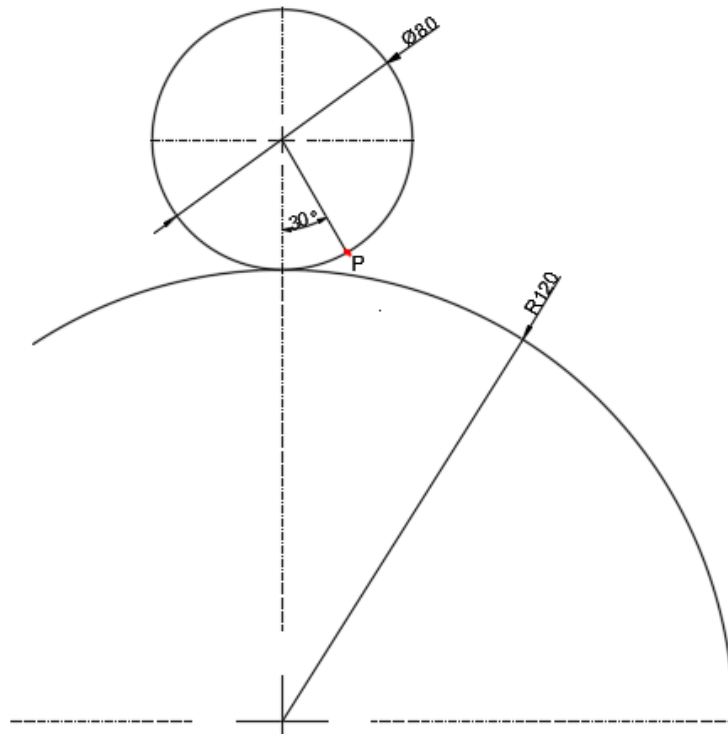
1. Construct the path travelled by the point P (on the circle of diameter of 90mm) in one revolution of the wheel of diameter 100mm shown below,



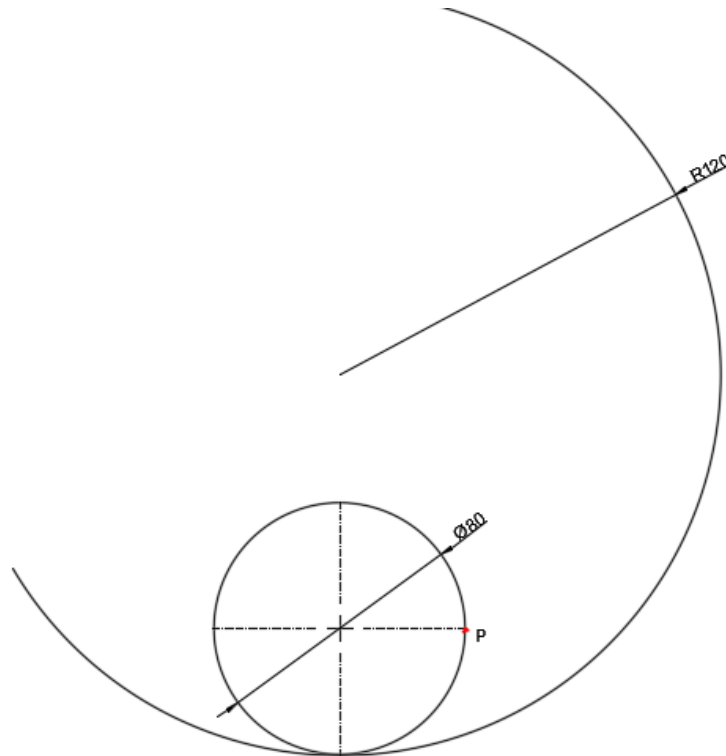
2. Construct the path travelled by the point P (on the circle of diameter 120mm) in one revolution of the wheel of diameter 100mm shown below,



3. A wheel of diameter 80mm rolls on a convex surface of radius 120mm. Trace out the path of point P as shown in the drawing below considering the curve for one revolution of the rolling circle.



4. A wheel of diameter 80mm rolls in a concave surface of radius 120mm. Trace out the path of point P as shown in the figure below considering the curve for one revolution of the rolling circle.



ASSIGNMENT 2 FOR MID-SEMESTER BREAK

Reconstruct problems 12 and 15, using the information given below.

