HOME STUDY PACKAGE

School: Labasa Sangam (SKM) College
Subject: Technical Drawing
Worksheet Number 1-2/Week 7

Year/Level: 13___
Student Name: _____
Date: 16th – 20thAugust 2021

Due Date: 6th September 2021

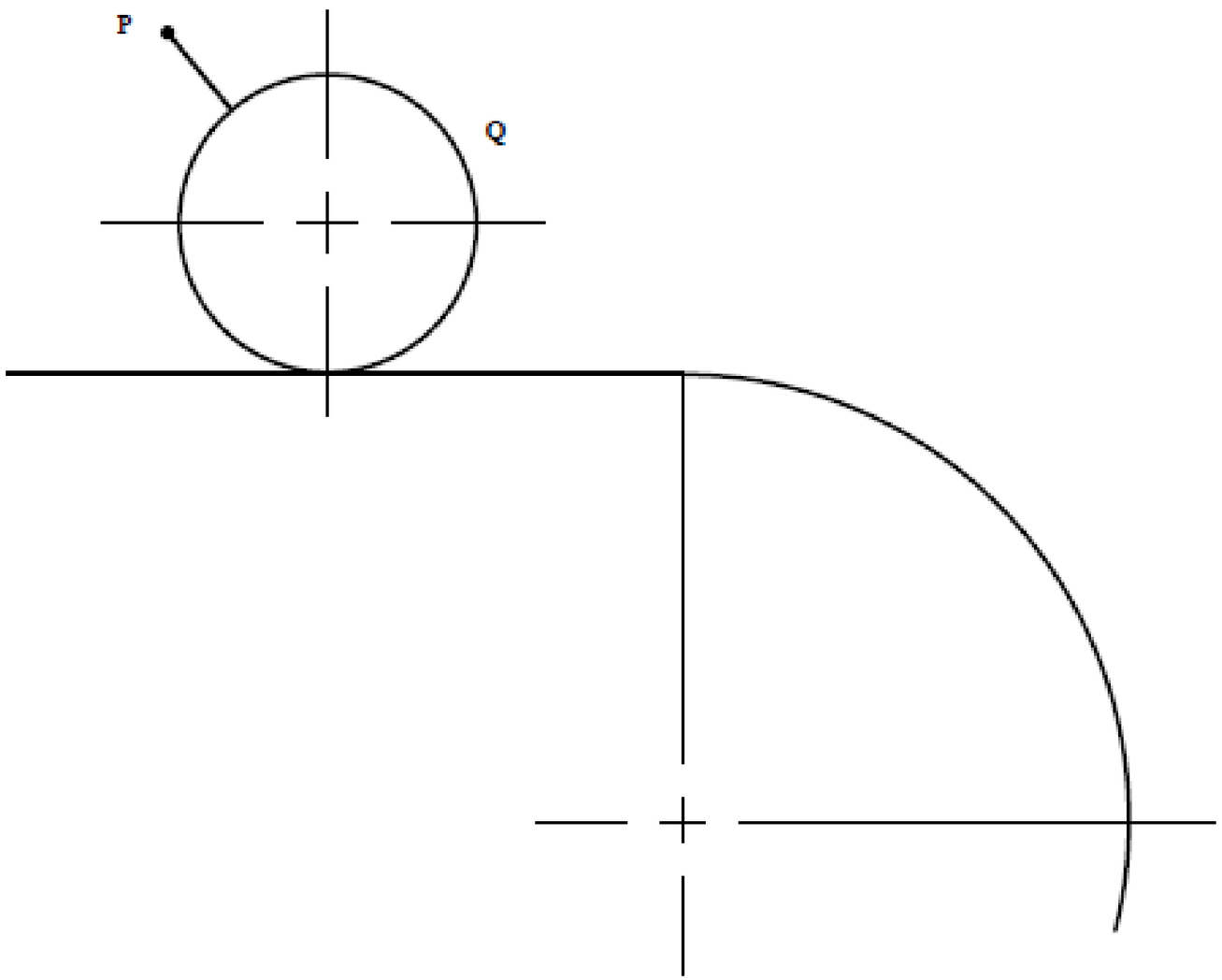
Rolling Wheels

Question 1 **(15 marks)**

Given: the rolling wheel, point **P** on the rolling wheel and combination of flat and circular base;

Required:

Draw the locus of point **P** as the rolling wheel rolls on the base for 1 complete revolution without slipping.



1	Accuracy – path divisions, 1 rev, direction	3	
2	Correct shape of locus	4	
3	Correct line work	2	
4	Correct generating lines or method	2	
5	Correct divisions on rolling circle and labels shown	2	
6	Neatness	2	

Question 2 **(15 marks)**

Given: the rolling wheel, point **P** on the rolling wheel and combination of flat and circular base;

Required:
Draw the locus of point **P** as the rolling wheel rolls on the base
for 1 complete revolution without slipping.

1	Accuracy – path divisions, 1 rev, direction	3	
2	Correct shape of locus	4	
3	Correct line work	2	
4	Correct generating lines or method	2	
5	Correct divisions on rolling circle and labels shown	2	
6	Neatness	2