## HOME STUDY PACKAGE

Year/Level: 13\_\_\_\_

Student Name:

Date: 16<sup>th</sup> – 20<sup>th</sup>August 2021

School: Labasa Sangam (SKM) College Subject: Technical Drawing

Worksheet Number 1-2/Week 7

**Due Date: 6<sup>th</sup> September 2021** 

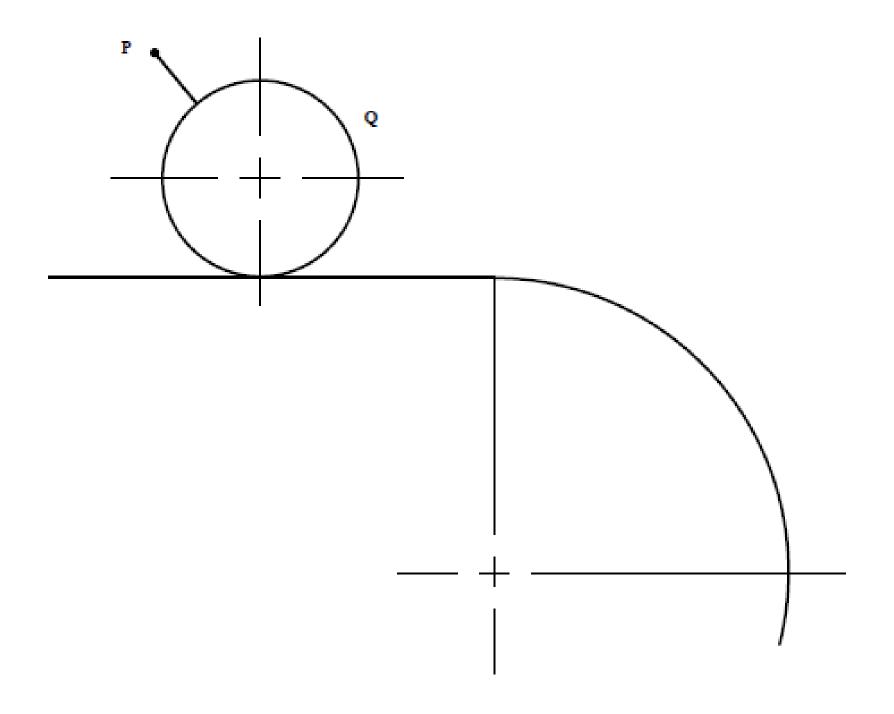
**Rolling Wheels** 

Question 1 (15 marks)

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

Draw the locus of point  $\mathbf{P}$  as the rolling wheel rolls on the base

for 1 complete revolution without slipping.

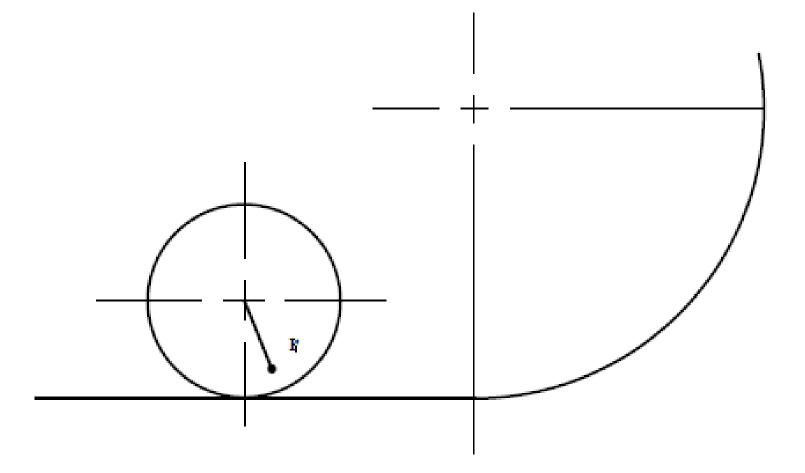


Accuracy – path divisions, 1 rev,	3	
direction		
Correct shape of locus	4	
Correct line work	2	
Correct generating lines or	2	
method		
Correct divisions on rolling	2	
circle and labels shown		
Neatness	2	
	direction  Correct shape of locus  Correct line work  Correct generating lines or method  Correct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

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