



R20 Regulation

Subject code:3P4CC

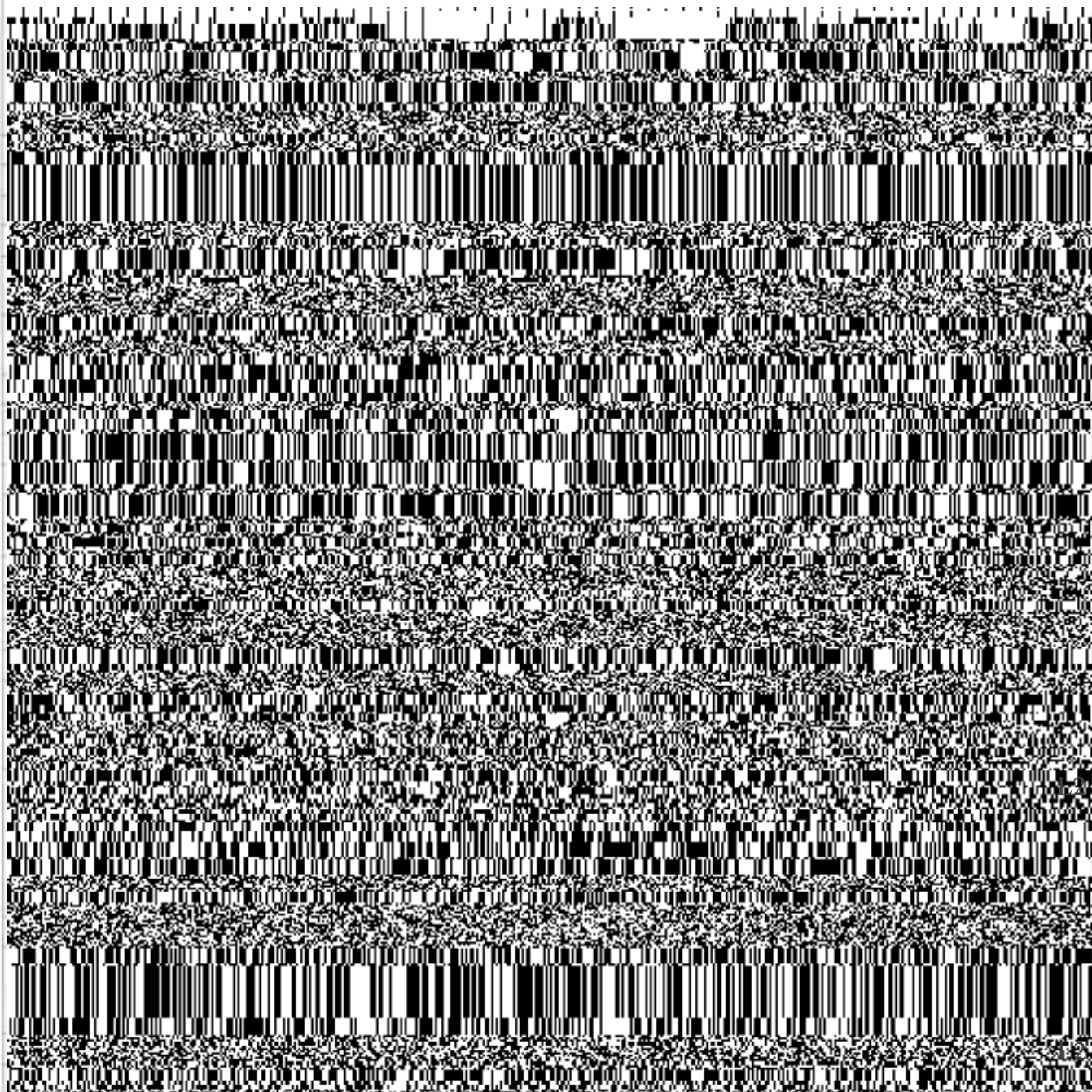
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech IV Semester Supplementary Examinations, April 2025

KINEMATICS OF MACHINERY

(ME)



16	Explain and sketch the Hart's mechanism.	10M	3	L2
17	A cam drives a flat reciprocating follower in the following manner: During first 120° rotation of the cam, follower moves outwards through a distance of 20mm with SHM. The follower dwells during next 30° of cam rotation. During next 120° of cam rotation, the follower moves inwards with SHM. The follower dwells for the next 90° of cam rotation. The minimum radius of the cam is 25mm. draw the profile of the cam.	10M	4	L2
	OR			
18	Classification of Followers with neat sketch.	10M	4	L2
19	Explain Compound Gear Train with neat diagrams.	10M	5	L2
	OR			
20	Explain Simple Gear Train with neat diagrams.	10M	5	L2