



R18 Regulation

Subject code:2P8CA

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VIII Semester Supplementary Examinations, November 2025

## PRODUCTION PLANNING AND CONTROL

(ME)

Maximum Marks: 70

Date: 25.11.2025

Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
  2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
  3. Part B consists of 5 Units. Answer any one full question from each unit.
  4. Each question carries 10 marks and may have a, b, c, d as sub questions.

### Part-A

All the following questions carry equal marks (10X2M=20 Marks)		Marks	CO	BTL
1	Interpret the objectives of Production Planning and Control.	2M	1	L1
2	Analyze various types of production system.	2M	1	L1
3	List out the functions of inventories	2M	2	L1
4	Discuss about inventory control system?	2M	2	L1
5	Defend RPW method.	2M	3	L1
6	Justify importance of Routing.	2M	3	L1
7	Evaluate the information needed for Scheduling.	2M	4	L1
8	Compile the reasons for Scheduling.	2M	4	L1
9	Define Follow up.	2M	5	L1
10	Discuss about centralized dispatching	2M	5	L1

### Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	What is PPC? Explain the objectives of PPC and discuss various functions of its in detail.	10M	1	L2
OR				
12	Explain the quantitative and qualitative techniques in forecasting? List out the measures for finding out forecasting error.	10M	1	L2
13	Evaluate the importance of Inventory? Discuss about Inventory management and its functions in details.	10M	2	L2
OR				
14	Elaborate the importance of ABC analysis, VED analysis and Basic EOQ model.	10M	2	L2
15	Discuss the applications of Line balancing, Routing and route sheets in production.	10M	3	L2
OR				
16	Support the concept of line balancing with the help of suitable example. Calculate all of its necessary parameters.	10M	3	L2

17	Classify and explain scheduling methods.	10M	4	L2
	OR			
18	Explain job shop and flow shop scheduling? Distinguish between job shop and flow shop scheduling	10M	4	L2
19	What are different forms used in dispatching	10M	5	L2
	OR			
20	Explain the applications of computer in PPC.	10M	5	L2