



R20 Regulation

Subject code: 3E7CE

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

## B.Tech VII Semester Regular Examinations, November 2023

### INDUSTRIAL ENGINEERING AND MANAGEMENT (MECHANICAL ENGINEERING)

Maximum Marks: 70

Date:08.12.2023 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 which carries 10M.
  4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A		Bloom Tx
All the following questions carry equal marks (10x2M=20 Marks)		
1	What is production management?	L1
2	State the concept of organization chart.	L1
3	What is product layout?	L1
4	What do you mean by Breakdown maintenance?	L1
5	What is Ergonomics?	L1
6	What is SIMO chart?	L1
7	Define MRP-II ?	L1
8	What does JIT mean in manufacturing?	L1
9	Write short notes on 'Promotion and Transfer'.	L1
10	What are the objectives of HRM?	L1
Part-B		
Answer All the following questions. (5X10M=50Marks)		
11	Explain the functions of management? [10]	L2
	OR	
12	A. What are the qualities an industrial engineer? [5] B. List out the applications of industrial Engineering. [5]	L1 L2
13	A. What are the applications of production layout? [5] B. Explain various Production Planning and control techniques. [5]	L1 L2
	OR	
14	What is plant location? Discuss the need for plant location. What are the steps involved in selecting a location? [10]	L1
15	A. Explain the flow process charts. [5] B. Define and explain PMTS? [5]	L2 L1
	OR	
16	A. What are Control charts and R charts? Its applications with examples? [5] B. How to attribute sampling inspection with single and double sampling? [5]	L2 L2

17	What are the various functions of Marketing? Explain. [10]	L2
	OR	
18	A. Discuss the functions and significance of MRP. [5] B. What is the difference between marketing and selling. [5]	L2 L1
19	A. Explain the types of wage incentive plans. [5] B. Explain what Industrial Relations. [5]	L2 L2
	OR	
20	Define HRM. Explain its elements and significance to organizational development. [10]	L1