

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V(NEW) EXAMINATION – SUMMER 2022****Subject Code:3152210****Date:02/06/2022****Subject Name:Industrial Management****Time:02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) List different components of industrial management.	03
	(b) Write short note on:	04
	i. AOA system	
	ii. AON system	
	(c) Explain the need of industrial management in mining.	07
Q.2	(a) Compare CPM and PERT.	03
	(b) List the rules of network construction in CPM.	04
	(c) List the advantages and disadvantages of CPM.	07
	OR	
	(c) List the advantages and disadvantages of PERT.	07
Q.3	(a) List the major functions of industrial management.	03
	(b) Explain the three time estimates for PERT.	04
	(c) Give the objectives of production planning. Also explain the steps involved in production planning.	07
	OR	
Q.3	(a) Write short note on gantt chart. Also list uses of gantt chart.	03
	(b) Explain the need of production control in mining industry.	04
	(c) Explain different techniques used for selecting a mine site.	07
Q.4	(a) List the factors considered for selecting a plant site.	03
	(b) Compare site selection process in urban and rural area.	04
	(c) Explain the relation between plant layout and material handling.	07
	OR	
Q.4	(a) Define market research.	03
	(b) List the objectives of market research.	04
	(c) Explain the duties of a marketing manager.	07
Q.5	(a) Define reliability. Also explain the importance of reliability in product design.	03
	(b) Explain the formation of a inspection team.	04
	(c) Explain the process of establishing standards.	07
	OR	
Q.5	(a) Explain the relationship between quality control and quality assurance.	03
	(b) List the factors effecting the quality of a product.	04
	(c) Explain the role of quality management system.	07
