

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV EXAMINATION – SUMMER 2025

Subject Code:3142207

Date:15-05-2025

Subject Name:Mine Management and General Safety

Time:10:30 AM TO 01:00 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) Discuss the elements of management functions planning, organization and control.	03
	(b) Explain different types of wages.	04
	(c) Explain the classification and analysis of accidents in mines.	07
Q.2	(a) Discuss the importance of inventory in material management.	03
	(b) Explain the determination of norms and standards of operations by work study.	04
	(c) Explain the selection process in recruitment.	07
OR		
	(c) Explain the standard costing and budgetary control.	07
Q.3	(a) Discuss the functions of store management.	03
	(b) Differentiate between administration and management.	04
	(c) Explain the different types of organization.	07
OR		
Q.3	(a) Discuss the principles of scientific management.	03
	(b) Discuss the functions of organization.	04
	(c) Explain the organizational structure of mining enterprise.	07
Q.4	(a) Discuss the objectives of material management.	03
	(b) Describe the functions of material management.	04
	(c) Explain the causes of mine accident and its remedies.	07
OR		
Q.4	(a) Discuss the objectives of purchasing department.	03
	(b) Describe the functions of purchasing department.	04
	(c) Explain the occupational diseases of health, their causes and preventive measures.	07
Q.5	(a) Discuss the different aids for the motivation of workers.	03
	(b) Describe the job evaluation and incentive.	04
	(c) Explain the Capital and capital management in public and private enterprises.	07
OR		
Q.5	(a) Explain Nominal wage and Minimum wage.	03
	(b) Describe the method study and work measurement techniques.	04
	(c) Explain the methods of cost analysis and its control.	07
