

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– IV(NEW) EXAMINATION – SUMMER 2023****Subject Code:3142207****Date:13-07-2023****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 different aids for the motivation of workers.	03
	(b) Differentiate between administration and management.	04
	(c) Explain the occupational diseases of health, their causes and preventive measures.	07
Q.2	(a) Discuss the principles of scientific management.	03
	(b) Describe the job evaluation and incentive.	04
	(c) Explain the classification and analysis of accidents in mines.	07
	OR	
	(c) Explain the causes of mine accident and its remedies.	07
Q.3	(a) Discuss the elements of management functions planning, organization and control.	03
	(b) Describe the functions of organization.	04
	(c) Explain the standard costing and budgetary control.	07
	OR	
Q.3	(a) Explain the essentials of a good wage system.	03
	(b) Explain the different types of wages.	04
	(c) Explain the Capital and capital management in public and private enterprises.	07
Q.4	(a) Discuss the functions of purchasing department.	03
	(b) Discuss the objectives of purchasing department.	04
	(c) Explain the different types of organization.	07
	OR	
Q.4	(a) Discuss the functions of material management.	03
	(b) Discuss the objectives of material management.	04
	(c) Explain the organizational structure of mining enterprise.	07
Q.5	(a) Discuss the importance of inventory in material management.	03
	(b) Describe the method study and work measurement techniques.	04
	(c) Explain the methods of cost analysis and its control.	07
	OR	
Q.5	(a) Discuss the functions of store management.	03
	(b) Explain the determination of norms and standards of operations by work study.	04
	(c) Explain the selection process in recruitment.	07
