

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (NEW) EXAMINATION – SUMMER 2024

Subject Code:3142207

Date:20-07-2024

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) Write the elements of management functions planning, organization and control.	03
	(b) Discuss the importance of mine safety.	04
	(c) Explain different types of wages.	07
Q.2	(a) Write the principles of scientific management.	03
	(b) What are the essential of a good wage system?	04
	(c) Explain the organizational structure of a typical mining enterprise.	07
	OR	
	(c) What are the advantage and disadvantage of line and function organization?	07
Q.3	(a) What are the functions of Organization?	03
	(b) Differentiate between management and administration.	04
	(c) Discuss the causes of mine accident and its remedies.	07
	OR	
Q.3	(a) What do you understand by work study?	03
	(b) Explain break-even analysis.	04
	(c) Explain the different types of organization.	07
Q.4	(a) Write the importance of inventory in material management.	03
	(b) Write a note on time and motion study.	04
	(c) Explain the selection process in recruitment.	07
	OR	
Q.4	(a) Write a note on: Steps of financial control.	03
	(b) What is the importance of store in material management?	04
	(c) Explain the classification and analysis of accidents in mines.	07
Q.5	(a) Write the different aids for the motivation of workers	03
	(b) Discuss the functions of purchasing department.	04
	(c) Explain the occupational diseases of health, their causes and preventive measures.	07
	OR	
Q.5	(a) Explain manpower planning?	03
	(b) Explain the standard costing and budgetary control.	04
	(c) Explain the Capital and capital management in public and private enterprises.	07