

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-IV (NEW) EXAMINATION – SUMMER 2021****Subject Code:3142207****Date:06/09/2021****Subject Name:Mine Management and General Safety****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) What are the Principles of scientific management?	03
	(b) Differentiate management and administration.	04
	(c) What are functions of management? Explain them briefly.	07
Q.2	(a) What are the functions of Organisation?	03
	(b) Explain manpower planning?	04
	(c) Explain the organizational structure of a typical mining enterprise.	07
	OR	
	(c) Explain the importance of mine safety.	07
Q.3	(a) Explain Nominal wage and Minimum wage.	03
	(b) What are the essential of a good wage system?	04
	(c) Describe Management by Objective.	07
	OR	
Q.3	(a) Explain the importance of training the man-power.	03
	(b) Write a note on time and motion study.	04
	(c) Explain the selection process in recruitment.	07
Q.4	(a) What are the types of organization?	03
	(b) What is the importance of inventory in material management?	04
	(c) What are the advantage and disadvantage if line and function organization?	07
	OR	
Q.4	(a) Explain break-even analysis.	03
	(b) Classify the mine accidents.	04
	(c) What are the essentials of a good wage system?	07
Q.5	(a) Explain cost of accident in a mine?	03
	(b) Describe budgetary control.	04
	(c) What are the causes of mine accident and its remedies?	07
	OR	
Q.5	(a) Write a note on: Steps of financial control.	03
	(b) What is the importance of store in material management?	04
	(c) What are occupation disease in mine? What are the preventive measures for it?	07
