

GUJARAT TECHNOLOGICAL UNIVERSITY**BE – SEMESTER- V EXAMINATION-SUMMER 2023****Subject Code: 3152207****Date: 28/06/2023****Subject Name: Mine Legislation****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) Why First Aid Knowledge is required for Mining Engineering Students?	03
	(b) Explain the appointment and duties of under managers or Assistant managers as per CMR-1957.	04
	(c) Describe provisions for first aid rooms & First aid station as per Mines Rules 1955.	07
Q.2	(a) Define: (1) Minor injury (2) Reportable injury (3) Serious bodily injury.	03
	(b) Explain the qualification, duties and responsibilities of rescue room incharge.	04
	(c) Discuss the duties and responsibility of manager and safety officer as per CMR-1957.	07
	OR	
	(c) Write a brief note on Environmental protection act.	07
Q.3	(a) Explain the functions of Rescue Station.	03
	(b) Explain salient features of Pit Head Bath Rules.	04
	(c) Give general requirement about mine plans and sections as per MMR-1961.	07
	OR	
Q.3	(a) Write a short note on Mine Creche rules.	03
	(b) Discuss the rules related to the Establishment and location of rescue station.	04
	(c) Describe qualification, duties and responsibilities of ventilation officer as per CMR-1957.	07
Q.4	(a) Write a short note on Mineral Concession Rule.	03
	(b) What are the rules related to the Establishment and location of rescue room? Also explain its functions.	04
	(c) Explain salient features of explosive rules.	07
	OR	
Q.4	(a) Write a short note on mine rescue rules.	03
	(b) Explain various provisions for use of electric cables as per Indian Electricity Act and Rules.	04
	(c) Describe the appointment, duties and responsibilities of Workmen's Inspector.	07
Q.5	(a) Discuss the Indian electricity rules with respect to mines and mine machineries.	03
	(b) Explain the Statutory laws concerned with development and conservation of minerals.	04
	(c) What is safety committee? Explain the functions of safety committee.	07
	OR	
Q.5	(a) Write a short note on Mining lease as per MMRD-1957.	03
	(b) Write a short note on Maternity benefit act.	04
	(c) Discuss the rules related to mine vocational training.	07