

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2024****Subject Code:3152207****Date:23-05-2024****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? (b) Explain the appointment and duties of under managers or Assistant managers as per CMR-1957. (c) Describe provisions for first aid rooms & First aid station as per Mines Rules 1955.	03 04 07
Q.2	(a) Define: (1) Minor injury (2) Reportable injury (3) Serious bodily injury. (b) Explain the qualification, duties and responsibilities of rescue room incharge. (c) Discuss the duties and responsibility of manager and safety officer as per CMR-1957.	03 04 07
	OR	
	(c) Write a brief note on Environmental protection act.	07
Q.3	(a) Explain the functions of Rescue Station. (b) Explain salient features of Pit Head Bath Rules. (c) Give general requirement about mine plans and sections as per MMR-1961.	03 04 07
	OR	
Q.3	(a) Write a short note on Mine Creche rules. (b) Discuss the rules related to the Establishment and location of rescue station. (c) Describe qualification, duties and responsibilities of ventilation officer as per CMR-1957.	03 04 07
Q.4	(a) Write a short note on Mineral Concession Rule. (b) What are the rules related to the Establishment and location of rescue room? Also explain its functions. (c) Explain salient features of explosive rules.	03 04 07
	OR	
Q.4	(a) Write a short note on mine rescue rules. (b) Explain various provisions for use of electric cables as per Indian Electricity Act and Rules. (c) Describe the appointment, duties and responsibilities of Workmen's Inspector.	03 04 07
Q.5	(a) Discuss the Indian electricity rules with respect to mines and mine machineries. (b) Explain the Statutory laws concerned with development and conservation of minerals. (c) What is safety committee? Explain the functions of safety committee.	03 04 07
	OR	
Q.5	(a) Write a short note on Mining lease as per MMRD-1957. (b) Write a short note on Maternity benefit act. (c) Discuss the rules related to mine vocational training.	03 04 07

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

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V(NEW) EXAMINATION – SUMMER 2022****Subject Code:3152207****Date:13/06/2022****Subject Name:Mine Legislation****Time:02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
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4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) Explain different types of injury.	03
	(b) Discuss why Mines Act, 1957 not apply in certain cases.	04
	(c) Explain the general requirements for the mine plans and sections.	07
Q.2	(a) Discuss the general principles of mining laws.	03
	(b) Explain qualification, duties and responsibilities of Mines Manager as per MMR, 1957.	04
	(c) Explain storage of explosive as per Indian Explosive Act, 1884.	07
OR		
	(c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957.	07
Q.3	(a) Describe the function of First Aid Room.	03
	(b) State the duties and responsibility of manager.	04
	(c) Explain the provision of prospecting operations as per MMDR Act, 1957.	07
OR		
Q.3	(a) Describe the function of First Aid Station.	03
	(b) Explain function of safety committee.	04
	(c) Describe the hours and limitation of employment as per the Mines Act 1952.	07
Q.4	(a) Discuss the salient features of Explosive Rules.	03
	(b) State the establishment, location & functions of rescue station.	04
	(c) Explain provisions for use of various electric cables as per Indian Electricity Act & Rules.	07
OR		
Q.4	(a) Explain maternity benefit act.	03
	(b) State the establishment, location & functions of rescue rooms.	04
	(c) Discuss various Pit Head Bath Rules in brief.	07
Q.5	(a) State the purpose behind Vocational Training Rules in detail.	03
	(b) Explain the Statutory laws concerned with development and conservation of minerals.	04
	(c) Explain provisions for training of special categories of employees.	07

OR

Q.5 (a) Explain the mine creche rules. **03**
(b) Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957. **04**
(c) Explain quantity and storage of drinking water as per Mine Rule, 1955. **07**
