

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-V (NEW) EXAMINATION – WINTER 2023****Subject Code: 3152207****Date: 13-12-2023****Subject Name: Mine Legislation****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.

		<b>MARKS</b>
<b>Q.1</b>	(a) Discuss the salient features of Explosive Rules.	<b>03</b>
	(b) Explain function of safety committee.	<b>04</b>
	(c) Explain provisions for training of special categories of employees.	<b>07</b>
<b>Q.2</b>	(a) Explain different types of injury.	<b>03</b>
	(b) State the duties and responsibility of manager.	<b>04</b>
	(c) Describe the hours and limitation of employment as per the Mines Act 1952.	<b>07</b>
	<b>OR</b>	
	(c) Explain quantity and storage of drinking water as per Mine Rule, 1955.	<b>07</b>
<b>Q.3</b>	(a) State the purpose behind Vocational Training Rules in detail.	<b>03</b>
	(b) Discuss why Mines Act, 1957 not apply in certain cases.	<b>04</b>
	(c) Explain the general requirements for the mine plans and sections.	<b>07</b>
	<b>OR</b>	
<b>Q.3</b>	(a) Discuss the general principles of mining laws.	<b>03</b>
	(b) Explain the Statutory laws concerned with development and conservation of minerals.	<b>04</b>
	(c) Discuss various Pit Head Bath Rules in brief.	<b>07</b>
<b>Q.4</b>	(a) Describe the function of First Aid Room.	<b>03</b>
	(b) State the establishment, location & functions of rescue rooms.	<b>04</b>
	(c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957.	<b>07</b>
	<b>OR</b>	
<b>Q.4</b>	(a) Describe the function of First Aid Station.	<b>03</b>
	(b) State the establishment, location & functions of rescue station.	<b>04</b>
	(c) Explain the provision of prospecting operations as per MMDR Act, 1957.	<b>07</b>
<b>Q.5</b>	(a) Explain the mine creche rules.	<b>03</b>
	(b) Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957.	<b>04</b>
	(c) Explain provisions for use of various electric cables as per Indian Electricity Act & Rules.	<b>07</b>
	<b>OR</b>	
<b>Q.5</b>	(a) Explain maternity benefit act.	<b>03</b>
	(b) Explain qualification, duties and responsibilities of Mines Manager as per MMR, 1957.	<b>04</b>
	(c) Explain storage of explosive as per Indian Explosive Act, 1884.	<b>07</b>

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