

**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.

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

**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:**

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

**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.

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

**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.
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) Explain different types of injury.	<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>Q.2</b> (a) Discuss the general principles of mining laws.	<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>
<b>OR</b>	
(c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957.	<b>07</b>
<b>Q.3</b> (a) Describe the function of First Aid Room.	<b>03</b>
(b) State the duties and responsibility of manager.	<b>04</b>
(c) Explain the provision of prospecting operations as per MMDR Act, 1957.	<b>07</b>
<b>OR</b>	
<b>Q.3</b> (a) Describe the function of First Aid Station.	<b>03</b>
(b) Explain function of safety committee.	<b>04</b>
(c) Describe the hours and limitation of employment as per the Mines Act 1952.	<b>07</b>
<b>Q.4</b> (a) Discuss the salient features of Explosive Rules.	<b>03</b>
(b) State the establishment, location & functions of rescue station.	<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.4</b> (a) Explain maternity benefit act.	<b>03</b>
(b) State the establishment, location & functions of rescue rooms.	<b>04</b>
(c) Discuss various Pit Head Bath Rules in brief.	<b>07</b>
<b>Q.5</b> (a) State the purpose behind Vocational Training Rules in detail.	<b>03</b>
(b) Explain the Statutory laws concerned with development and conservation of minerals.	<b>04</b>
(c) Explain provisions for training of special categories of employees.	<b>07</b>

**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**

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