

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V EXAMINATION – WINTER 2025****Subject Code:3152207****Date:25-11-2025****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.

MARKS

Q.1	(a) Why First Aid Knowledge is required for Mining Engineering Students? 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

Q.2	(a) Write the functions of Rescue Station. 03
	(b) What are the rules related to the Establishment and location of rescue room? 04
	(c) Discuss the duties and responsibility of manager and safety officer as per CMR-1957. 07

OR

(c) Describe provisions for first aid rooms & First aid station as per Mines Rules 1955. 07
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Q.3	(a) Define: (1) Minor injury (2) Reportable injury (3) Serious bodily injury. 03
	(b) Write a short note on Maternity benefit act. 04
	(c) Describe qualification, duties and responsibilities of ventilation officer as per CMR-1957. 07

OR

Q.3	(a) Write a short note on mine rescue rules. 03
	(b) Discuss the rules related to the Establishment and location of rescue station. 04
	(c) Discuss the rules related to mine vocational training. 07

Q.4	(a) Write a short note on Mine Creche rules. 03
	(b) Explain the qualification, duties and responsibilities of rescue room incharge. 04
	(c) Write a brief note on Environmental protection act. 07

OR

Q.4	(a) Write a short note on Mining lease as per MMRD-1957. 03
	(b) Explain various provisions for use of electric cables as per Indian Electricity Act and Rules. 04
	(c) Explain salient features of explosive rules. 07

Q.5	(a) Write a short note on Mineral Concession Rule. 03
	(b) Explain the appointment and duties of under managers or Assistant managers as per CMR-1957. 04
	(c) Give general requirement about mine plans and sections as per MMR-1961. 07

OR

Q.5	(a) Discuss the Indian electricity rules with respect to mines and mine machineries. 03
	(b) Explain salient features of Pit Head Bath Rules. 04
	(c) Describe the appointment, duties and responsibilities of Workmen's Inspector. 07

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2024****Subject Code:3152207****Date:05-12-2024****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.

		Marks
Q.1	(a) Discuss the general principles of mining laws.	03
	(b) Explain the role of chief inspector and inspector.	04
	(c) Explain the general requirements for the mine plans and sections.	07
Q.2	(a) State the purpose behind Vocational Training Rules in detail.	03
	(b) Describe the qualification and duty of certifying surgeons.	04
	(c) Explain quantity and storage of drinking water as per Mine Rule, 1955.	07
	OR	
	(c) Explain storage of explosive as per Indian Explosive Act, 1884.	07
Q.3	(a) Describe the function of First Aid Station.	03
	(b) State the establishment, location & functions of rescue station.	04
	(c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957.	07
	OR	
Q.3	(a) Describe the function of First Aid Room.	03
	(b) State the establishment, location & functions of rescue rooms.	04
	(c) Explain the provision of prospecting operations as per MMDR Act, 1957.	07
Q.4	(a) Explain the structure of committees as per The Mines act 1952.	03
	(b) Explain qualification, duties and responsibilities of Mines Manager as per MMR, 1957.	04
	(c) Explain the hours and limitation of employment as per the Mines Act 1952.	07
	OR	
Q.4	(a) Explain the function and power of committees as per The Mines act 1952.	03
	(b) Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957.	04
	(c) Explain provisions for use of various electric cables as per Indian Electricity Act & Rules.	07
Q.5	(a) Explain different types of injury.	03
	(b) Describe the salient features of Pit Head bath rules.	04
	(c) Explain provisions for training of special categories of employees.	07
	OR	
Q.5	(a) Discuss the salient features of Explosive Rules.	03

(b) Discuss why Mines Act, 1957 not apply in certain cases. **04**

(c) Explain the Statutory laws concerned with development and conservation of minerals. **07**

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.

MARKS

Q.1 (a) Discuss the salient features of Explosive Rules. **03**
 (b) Explain function of safety committee. **04**
 (c) Explain provisions for training of special categories of employees. **07**

Q.2 (a) Explain different types of injury. **03**
 (b) State the duties and responsibility of manager. **04**
 (c) Describe the hours and limitation of employment as per the Mines Act 1952. **07**

OR

(c) Explain quantity and storage of drinking water as per Mine Rule, 1955. **07**

Q.3 (a) State the purpose behind Vocational Training Rules in detail. **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**

OR

Q.3 (a) Discuss the general principles of mining laws. **03**
 (b) Explain the Statutory laws concerned with development and conservation of minerals. **04**
 (c) Discuss various Pit Head Bath Rules in brief. **07**

Q.4 (a) Describe the function of First Aid Room. **03**
 (b) State the establishment, location & functions of rescue rooms. **04**
 (c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957. **07**

OR

Q.4 (a) Describe the function of First Aid Station. **03**
 (b) State the establishment, location & functions of rescue station. **04**
 (c) Explain the provision of prospecting operations as per MMDR Act, 1957. **07**

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 provisions for use of various electric cables as per Indian Electricity Act & Rules. **07**

OR

Q.5 (a) Explain maternity benefit act. **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**

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – WINTER 2022****Subject Code:3152207****Date:13-01-2023****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.
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4. Simple and non-programmable scientific calculators are allowed.

MARKS

Q.1 (a) Discuss the general principles of mining laws. **03**
 (b) Describe the qualification and duty of certifying surgeons. **04**
 (c) Explain the hours and limitation of employment as per the Mines Act 1952. **07**

Q.2 (a) Discuss the salient features of Explosive Rules. **03**
 (b) Describe the salient features of Pit Head bath rules. **04**
 (c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957. **07**

OR

(c) Explain the provision of prospecting operations as per MMDR Act, 1957. **07**

Q.3 (a) Explain the structure of committees as per The Mines act 1952. **03**
 (b) Explain the role of chief inspector and inspector. **04**
 (c) Explain the general requirements for the mine plans and sections. **07**

OR

Q.3 (a) Explain the function and power of committees as per The Mines act 1952. **03**
 (b) Discuss why Mines Act, 1957 not apply in certain cases. **04**
 (c) Explain the Statutory laws concerned with development and conservation of minerals. **07**

Q.4 (a) Describe the function of First Aid Room. **03**
 (b) State the establishment, location & functions of rescue rooms. **04**
 (c) Explain quantity and storage of drinking water as per Mine Rule, 1955. **07**

OR

Q.4 (a) Describe the function of First Aid Station. **03**
 (b) State the establishment, location & functions of rescue station. **04**
 (c) Explain storage of explosive as per Indian Explosive Act, 1884. **07**

Q.5 (a) Explain different types of injury. **03**
 (b) Explain qualification, duties and responsibilities of Mines Manager as per MMR, 1957. **04**
 (c) Explain provisions for use of various electric cables as per Indian Electricity Act & Rules. **07**

OR

Q.5 (a) State the purpose behind Vocational Training Rules in detail. **03**

(b) Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957. **04**

(c) Explain provisions for training of special categories of employees. **07**
