

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**
