GUJARAT TECHNOLOGICAL UNIVERSITY

BE 5 SEMESTER – OLD PAPER – S22 TO W25 – QUESTION BANK

Subject Name & Code: Mine Legislation - 3152207

Chapter 1: Introduction: General Principles of Mining laws, Legislations and policy of Indian Mines. Salient provisions of the mines.

Repeated Questions:

1. Mining Laws – General Principles and Statutory Provisions:

- **Q.** Discuss the general principles of mining laws. **(SUMMER 2022, 3 Marks; WINTER 2022, 3 Marks; WINTER 2023, 3 Marks OR; WINTER 2024, 3 Marks)**
- **Q.** Explain the Statutory laws concerned with development and conservation of minerals. **(SUMMER 2022, 4 Marks; WINTER 2022, 7 Marks OR; SUMMER 2023, 4 Marks; WINTER 2023, 4 Marks OR; SUMMER 2024, 4 Marks; WINTER 2024, 4 Marks OR; SUMMER 2025, 4 Marks; WINTER 2025, 4 Marks)**

Other Important Questions:

None identified.

Chapter 2: Mines and Minerals (Regulations and Development) Act and related rules, Mineral Concession rules, Mineral Conservation and Development rules, Mines Act, Mine Rules, Coal Mines Regulations, Metal Mines Regulations

Repeated Questions:

1. MMDR Act, Mineral Concession Rules and Mining Leases:

- **Q.** Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957. **(SUMMER 2022, 7 Marks OR; WINTER 2022, 7 Marks; WINTER 2023, 7 Marks; WINTER 2024, 7 Marks)**
- **Q.** Explain the provision of prospecting operations as per MMDR Act, 1957. **(SUMMER 2022, 7 Marks; WINTER 2022, 7 Marks OR; WINTER 2023, 7 Marks OR; WINTER 2024, 7 Marks OR)**
- **Q.** Write a short note on Mineral Concession Rule. **(SUMMER 2023, 3 Marks; SUMMER 2024, 3 Marks; SUMMER 2025, 3 Marks; WINTER 2025, 3 Marks)**
- **Q.** Write a short note on Mining lease as per MMDR-1957. **(SUMMER 2023, 3 Marks OR; SUMMER 2024, 3 Marks OR; SUMMER 2025, 3 Marks OR; WINTER 2025, 3 Marks)**

2. Mines Act – Applicability, Working Hours and Mine Plans:

- **Q.** Discuss why Mines Act, 1957 not apply in certain cases. **(SUMMER 2022, 4 Marks; WINTER 2022, 4 Marks OR; WINTER 2023, 4 Marks; WINTER 2024, 4 Marks OR)**
- **Q.** Explain the hours and limitation of employment as per the Mines Act 1952. **(SUMMER 2022, 7 Marks OR; WINTER 2022, 7 Marks; WINTER 2023, 7 Marks; WINTER 2024, 7 Marks)**
- **Q.** Explain the general requirements for the mine plans and sections. / Give general requirement about mine plans and sections as per MMR-1961. **(SUMMER 2022, 7 Marks; WINTER 2022, 7 Marks; SUMMER 2023, 7 Marks; WINTER 2023, 7 Marks; SUMMER 2024, 7 Marks; WINTER 2024, 7 Marks; SUMMER 2025, 7 Marks; WINTER 2025, 7 Marks - same question line is duplicated in W25)**

3. Mine Officials – Qualifications, Duties and Responsibilities:

- **Q.** Explain qualification, duties and responsibilities of Mines Manager as per MMR, 1957. / Explain qualification, duties and responsibilities of Mines Manager as per MMDR, 1957. **(SUMMER 2022, 4 Marks; WINTER 2022, 4 Marks; WINTER 2023, 4 Marks OR; WINTER 2024, 4 Marks)**
- **Q.** State the duties and responsibility of manager. **(SUMMER 2022, 4 Marks; WINTER 2023, 4 Marks)**
- **Q.** Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957. / Explain qualification, duties and responsibilities of Safety officer as per MMDR, 1957. **(SUMMER 2022, 4 Marks OR; WINTER 2022, 4 Marks OR; WINTER 2023, 4 Marks; WINTER 2024, 4 Marks OR)**
- **Q.** Explain the appointment and duties of under managers or Assistant managers as per CMR-1957. **(SUMMER 2023, 4 Marks; SUMMER 2024, 4 Marks; SUMMER 2025, 4 Marks; WINTER 2025, 4 Marks)**
- **Q.** Discuss the duties and responsibility of manager and safety officer as per CMR-1957. **(SUMMER 2023, 7 Marks; SUMMER 2024, 7 Marks; SUMMER 2025, 7 Marks; WINTER 2025, 7 Marks)**
- **Q.** Describe qualification, duties and responsibilities of ventilation officer as per CMR-1957. **(SUMMER 2023, 7 Marks OR; SUMMER 2024, 7 Marks OR; SUMMER 2025, 7 Marks OR; WINTER 2025, 7 Marks)**
- **Q.** Describe the appointment, duties and responsibilities of Workmen's Inspector. **(SUMMER 2023, 7 Marks OR; SUMMER 2024, 7 Marks OR; SUMMER 2025, 7 Marks OR; WINTER 2025, 7 Marks)**
- **Q.** Explain the role of chief inspector and inspector. **(WINTER 2022, 4 Marks; WINTER 2024, 4 Marks)**

- **Q.** Describe the qualification and duty of certifying surgeons. **(WINTER 2022, 4 Marks; WINTER 2024, 4 Marks)**

4. Committees (Mines Act and Safety Committee):

- **Q.** Explain the structure of committees as per The Mines act 1952. **(WINTER 2022, 3 Marks; WINTER 2024, 3 Marks)**
- **Q.** Explain the function and power of committees as per The Mines act 1952. **(WINTER 2022, 3 Marks OR; WINTER 2024, 3 Marks OR)**
- **Q.** What is safety committee? Explain the functions of safety committee. / Explain function of safety committee. **(SUMMER 2022, 4 Marks OR; SUMMER 2023, 7 Marks; WINTER 2023, 4 Marks; SUMMER 2024, 7 Marks; SUMMER 2025, 7 Marks; WINTER 2025, 7 Marks)**

5. Injuries, First Aid and Welfare Provisions:

- **Q.** Explain different types of injury. **(SUMMER 2022, 3 Marks; WINTER 2022, 3 Marks; WINTER 2023, 3 Marks; WINTER 2024, 3 Marks)**
- **Q.** Define: (1) Minor injury (2) Reportable injury (3) Serious bodily injury. **(SUMMER 2023, 3 Marks; SUMMER 2024, 3 Marks; SUMMER 2025, 3 Marks; WINTER 2025, 3 Marks)**
- **Q.** Describe the function of First Aid Room. **(SUMMER 2022, 3 Marks; WINTER 2022, 3 Marks; WINTER 2023, 3 Marks; WINTER 2024, 3 Marks OR)**
- **Q.** Describe the function of First Aid Station. **(SUMMER 2022, 3 Marks OR; WINTER 2022, 3 Marks OR; WINTER 2023, 3 Marks OR; WINTER 2024, 3 Marks)**
- **Q.** Describe provisions for first aid rooms & First aid station as per Mines Rules 1955. **(SUMMER 2023, 7 Marks; SUMMER 2024, 7 Marks; SUMMER 2025, 7 Marks; WINTER 2025, 7 Marks)**
- **Q.** Why First Aid Knowledge is required for Mining Engineering Students? **(SUMMER 2023, 3 Marks; SUMMER 2024, 3 Marks; SUMMER 2025, 3 Marks; WINTER 2025, 3 Marks)**
- **Q.** Explain quantity and storage of drinking water as per Mine Rule, 1955. **(SUMMER 2022, 7 Marks OR; WINTER 2022, 7 Marks; WINTER 2023, 7 Marks OR; WINTER 2024, 7 Marks)**

Other Important Questions:

None identified.

Chapter 3: Vocational Training rule, Mine Creche rules, Maternity benefit act, Mine Rescue Rules, Explosive Act, Environmental protection act, Indian electricity rules, Pithead bath rules.

Repeated Questions:

1. Mine Rescue Rules – Rescue Station and Rescue Room:

- **Q.** Write a short note on mine rescue rules. **(SUMMER 2023, 3 Marks OR; SUMMER 2024, 3 Marks OR; SUMMER 2025, 3 Marks OR; WINTER 2025, 3 Marks)**
- **Q.** Write the functions of Rescue Station. **(SUMMER 2023, 3 Marks; SUMMER 2024, 3 Marks; SUMMER 2025, 3 Marks; WINTER 2025, 3 Marks)**
- **Q.** Discuss the rules related to the Establishment and location of rescue station. / State the establishment, location & functions of rescue station. **(SUMMER 2022, 4 Marks; WINTER 2022, 4 Marks; SUMMER 2023, 4 Marks OR; WINTER 2023, 4 Marks; SUMMER 2024, 4 Marks OR; WINTER 2024, 4 Marks; SUMMER 2025, 4 Marks OR; WINTER 2025, 4 Marks)**
- **Q.** What are the rules related to the Establishment and location of rescue room? Also explain its functions. / State the establishment, location & functions of rescue rooms. **(SUMMER 2022, 4 Marks OR; WINTER 2022, 4 Marks OR; WINTER 2023, 4 Marks OR; SUMMER 2024, 7 Marks OR; WINTER 2024, 4 Marks OR; SUMMER 2025, 7 Marks OR; WINTER 2025, 4 Marks)**
- **Q.** Explain the qualification, duties and responsibilities of rescue room incharge. **(SUMMER 2023, 4 Marks; SUMMER 2024, 4 Marks; SUMMER 2025, 4 Marks; WINTER 2025, 4 Marks)**

2. Vocational Training Rules:

- **Q.** Discuss the rules related to mine vocational training. **(SUMMER 2023, 7 Marks OR; SUMMER 2024, 7 Marks OR; SUMMER 2025, 7 Marks OR; WINTER 2025, 7 Marks)**
- **Q.** State the purpose behind Vocational Training Rules in detail. **(SUMMER 2022, 3 Marks; WINTER 2022, 3 Marks OR; WINTER 2023, 3 Marks; WINTER 2024, 3 Marks)**
- **Q.** Explain provisions for training of special categories of employees. **(SUMMER 2022, 7 Marks; WINTER 2022, 7 Marks OR; WINTER 2023, 7 Marks; WINTER 2024, 7 Marks)**

3. Welfare Legislation – Maternity Benefit, Creche and Pit Head Bath Rules:

- **Q.** Write a short note on Maternity benefit act. / Explain maternity benefit act. **(SUMMER 2022, 3 Marks OR; WINTER 2022, 3 Marks OR; SUMMER 2023, 4 Marks OR; WINTER 2023, 3 Marks; SUMMER 2024, 4 Marks OR; SUMMER 2025, 4 Marks OR; WINTER 2025, 4 Marks)**
- **Q.** Write a short note on Mine Creche rules. / Explain the mine creche rules. **(SUMMER 2023, 3 Marks OR; WINTER 2023, 3 Marks; SUMMER 2024, 3 Marks OR; SUMMER 2025, 3 Marks OR; WINTER 2025, 3 Marks)**
- **Q.** Explain salient features of Pit Head Bath Rules. / Discuss salient features of Pit Head bath rules. / Discuss various Pit Head Bath Rules in brief. **(SUMMER 2022, 7 Marks OR; WINTER 2022, 4 Marks; SUMMER 2023, 4 Marks; WINTER 2023, 7 Marks OR; SUMMER 2024, 4 Marks; WINTER 2024, 4 Marks; SUMMER 2025, 4 Marks; WINTER 2025, 4 Marks)**

4. Explosives Act and Rules:

- **Q.** Explain salient features of explosive rules. / Discuss salient features of Explosive Rules. **(SUMMER 2022, 3 Marks; WINTER 2022, 3 Marks; SUMMER 2023, 7 Marks; WINTER 2023, 3 Marks; SUMMER 2024, 7 Marks; WINTER 2024, 3 Marks OR; SUMMER 2025, 7 Marks; WINTER 2025, 7 Marks)**
- **Q.** Explain storage of explosive as per Indian Explosive Act, 1884. **(SUMMER 2022, 7 Marks; WINTER 2022, 7 Marks OR; WINTER 2023, 7 Marks OR; WINTER 2024, 7 Marks OR)**

5. Indian Electricity Rules:

- **Q.** Explain various provisions for use of electric cables as per Indian Electricity Act and Rules. / Explain provisions for use of various electric cables as per Indian Electricity Act & Rules. **(SUMMER**

2022, 7 Marks; WINTER 2022, 7 Marks; SUMMER 2023, 4 Marks OR; SUMMER 2023, 4 Marks; WINTER 2023, 7 Marks; SUMMER 2024, 4 Marks OR; SUMMER 2024, 4 Marks; WINTER 2024, 7 Marks; SUMMER 2025, 4 Marks OR; SUMMER 2025, 4 Marks; WINTER 2025, 4 Marks)

- **Q.** Discuss the Indian electricity rules with respect to mines and mine machineries. **(SUMMER 2023, 3 Marks; SUMMER 2024, 3 Marks; SUMMER 2025, 3 Marks; WINTER 2025, 3 Marks)**

6. Environmental Protection Act:

- **Q.** Write a brief note on Environmental protection act. **(SUMMER 2023, 7 Marks OR; SUMMER 2024, 7 Marks OR; SUMMER 2025, 7 Marks OR; WINTER 2025, 7 Marks)**

Other Important Questions:

None identified.

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