

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – SUMMER 2022****Subject Code:2172209****Date:03/06/2022****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.

- Q.1** (a) Explain function of safety committee. **03**
 (b) Explain penalty provisions in MMDR act, 1957. **04**
 (c) Describe the hours and limitation of employment as per the Mines Act 1952. **07**
- Q.2** (a) Describe the basic features of National Mineral Policy. **03**
 (b) Discuss why Mines Act, 1957 not apply in certain cases. **04**
 (c) Explain provisions for training of special categories of employees. **07**
- OR**
- (c) Explain provisions for use of various electric cables as per Indian Electricity Act & Rules. **07**
- Q.3** (a) Discuss the salient features of Explosive Rules. **03**
 (b) Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957. **04**
 (c) Discuss the general requirements for the mine plans and sections. **07**
- OR**
- Q.3** (a) Explain different types of injury. **03**
 (b) Explain qualification, duties and responsibilities of Mines Manager as per MMR, 1957. **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 purpose behind Vocational Training Rules in detail. **04**
 (c) Explain the provision of prospecting operations as per MMDR Act, 1957. **07**
- OR**
- Q.4** (a) Describe the function of First Aid Station. **03**
 (b) Describe various precautions for man winding. **04**
 (c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957. **07**
- Q.5** (a) Define the term: Misfire, Gassy Seam and Flame Proof Apparatus. **03**
 (b) State the establishment, location & functions of rescue rooms. **04**
 (c) Explain storage of explosive as per Indian Explosive Act, 1884. **07**
- OR**
- Q.5** (a) Define the term: General body of air, Auxiliary fan and Booster fan. **03**
 (b) State the establishment, location & functions of rescue station. **04**
 (c) Explain quantity and storage of drinking water as per Mine Rule, 1955. **07**
