

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2020****Subject Code:3152207****Date:03/02/2021****Subject Name:Mine Legislation****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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| Q.1 | (a) | Define: 1)Mining 2) Act 3) circular | 03 |
| | (b) | Explain function of committee | 04 |
| | (c) | Qualification and duty of Mines manager | 07 |
| Q.2 | (a) | Explain leaves and wages rules of open cast mines | 03 |
| | (b) | What is health regarding specification in mine act 1952? | 04 |
| | (c) | Why first aid room is necessary in underground mines? | 07 |
| Q.3 | (a) | Who is responsible for illegal mining? How to stop it | 03 |
| | (b) | Describe national mineral policy | 04 |
| | (c) | Explain salient features of Pit Head bath rules | 07 |
| Q.4 | (a) | Role of mining inspector | 03 |
| | (b) | What is the qualification of safety officer | 04 |
| | (c) | Define (1) gassy seam (2) Auxiliary fan & (3) Permitted explosive | 07 |
| Q.5 | (a) | Explain duties and responsibilities of superintendent of rescue station. | 03 |
| | (b) | Define: (1) Reportable injury (2) Serious bodily injury (3) minor injury. | 04 |
| | (c) | What are various provisions of mining Plan as per MCDR -1988? | 07 |
| Q.6 | (a) | Qualification and duty of workman inspector | 03 |
| | (b) | When Mines Act 1952 not apply in certain cases? Describe it. | 04 |
| | (c) | Explain provisions for use of various electric cables as per Indian electricity act & rules. | 07 |
| Q.7 | (a) | Explain process of making Regulations, Rules and Bye-Laws | 03 |
| | (b) | Provision as to Health and Safety in mine act 1952 | 04 |
| | (c) | Explain provisions for training of special categories of employees as per Mine Vocational Training rules, 1966. | 07 |
| Q.8 | (a) | Which rule is apply for Hours and Limitation of Employment | 03 |
| | (b) | Qualification and duty of Certifying Surgeons | 04 |
| | (c) | When Gujarat minor mineral concession rule 2017 not apply in certain cases | 07 |
