

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER-VII EXAMINATION – WINTER 2015**

**Subject Code: 172202****Date: 07/12/2015****Subject Name: Mine Legislation****Time: 10:30am to 1:00pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain National Mineral Policy in brief. **07**  
(b) Describe qualification, duties and responsibilities of Safety officer as per MMR-1957. **07**
- Q.2** (a) Describe provisions for First Aid room and First Aid Station. **07**  
(b) Write a short note on Permitted Explosive. **07**
- OR**
- (b) Describe various Pit Head Bath Rules in brief. **07**
- Q.3** (a) Write various general requirements for the mine plans and sections as per MMR-1961. **07**  
(b) Define the terms in brief : (1) Reportable Injury (2) Serious Bodily Injury **07**
- OR**
- Q.3** (a) Explain function, duties and appointments of Workmen's Inspector. **07**  
(b) Describe various function of Rescue Station and Rescue Room. **07**
- Q.4** (a) Describe various precautions for man winding as per CMR-1957. **07**  
(b) Write a short note on procedure for reconnaissance, prospecting and Mining lease as per MMRD-1957. **07**
- OR**
- Q.4** (a) Explain salient features of explosive rules. **07**  
(b) Define the following terms : (1) Misfire (2) Auxiliary Fan (3) Booster Fan **07**
- Q.5** (a) Describe various provisions for use of various electric cables as per Indian Electricity Acts and Rules. **07**  
(b) Write a short note on provisions for open cast working and underground working. **07**
- OR**
- Q.5** (a) Write a short note on Mine Rescue Rules. **07**  
(b) Why Mine Vocational Training and First Aid Knowledge is required for Mining Engineering Students? Explain it in brief. **07**

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