

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII(NEW) • EXAMINATION – WINTER 2016

Subject Code:2172202**Date:21/11/2016****Subject Name:Mine Legislation****Time:10.30 AM to 1.00 PM****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) Describe various methods of Reconnaissance & Prospecting operations & statutory provisions as per MCR -1960 & MMDR act-1957. **07**
- (b) Explain responsibility & functions of (1) safety officer & (2) Mines manager ; as per MMR-1957. **07**
- Q.2** (a) Explain: First aid rooms & its appliances & apparatus requirement as per Mines Rules 1955. **07**
- (b) Explain various provisions of explosive rules applicable with respect to mines. **07**
- OR**
- (b) What are the provisions for lighting & shoot firing as per CMR -1957. **07**
- Q.3** (a) Explain workmen's inspector and safety committee function, duties and appointment as per Mines Rules 1955. **07**
- (b) Define maximum periods and area for which a reconnaissance ,prospecting & mining lease are granted as per MMRD act 1957. **07**
- OR**
- Q.3** (a) What are Penalty provisions in MMRD act 1957? Explain with Sections. **07**
- (b) What are provisions for : (1) open cast working & under ground workings as per MMR-1961. **07**
- Q.4** (a) Explain provisions for training of special categories of employees as per Mine Vocational Training rules, 1966 **07**
- (b) When Mines Act 1952 not apply in certain cases? Describe it. **07**
- OR**
- Q.4** (a) Explain 1. Reportable injury 2. Serious bodily injury 3. Minor injury. **07**
- (b) Explain the provisions for use of various electric cables as per the Indian Electricity Act and Rules. **07**
- Q.5** (a) Write note on :Hours and limitation of employment. **07**
- (b) Write note on:Haul road designing in opencast mines. **07**
- OR**
- Q.5** (a) Write note on : Rescue station. **07**
- (b) Write note on: Pit head bath rues. **07**
