

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012****Subject code: 172202****Date: 31/12/2012****Subject Name: Mine Legislation****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

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

- Q.1 (a)** Explain : First aid rooms & its appliances & apparatus requirement as per Mines Rules 1955. **07**
- (b)** What are statutory provisions for : (1) open cast working & under ground workings : as per CMR-1961 **07**
- Q.2 (a)** Explain responsibility & functions of (1) safety officer & (2) Mines manager ; as per MMR-1957 **07**
- (b)** What are the provisions for man winding as per MMR-1957. **07**
- OR**
- (b)** Define : (1) gassy seam (2) Auxiliary fan & (3) Permitted explosive **07**
- Q.3 (a)** Describe various methods of Reconnaissance & Prospecting operations & statutory provisions as per MCR -1960 & MMDR act-1957 **07**
- (b)** What are requirements of mining Plan as per MCDR -1988. **07**
- OR**
- Q.3 (a)** Explain various provisions of explosive rules applicable with respect to mines.. **07**
- (b)** Explain salient features of Pit Head bath rules. **07**
- Q.4 (a)** What are Penalty provisions for illegal mining in MMRD act 1957 ? **07**
- (b)** Write short note on : National Mineral policy **07**
- OR**
- Q.4 (a)** What are the provisions for lighting & shoot firing as per CMR -1957 **07**
- Q.4 (b)** What are the general provisions with respect to health & sanitation in the Mines rules & Mines act-1952 **07**
- Q.5 (a)** Explain the Procedure of mining lease grant with respect to Mineral concession rule -1960 & MMRD act 1957. **07**
- (b)** Define as per statute. [1] Mineral , [2] Flame proof apparatus & [3] cap lamp **07**
- OR**
- Q.5 (a)** Define . [1] mines , [2] on setter & [3] misfire **07**
- (b)** What are general statutory provisions with respect to Mines rescue rules. **07**
