## **GUJARAT TECHNOLOGICAL UNIVERSITY** B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

Subject code: 172202Date: 31/12Subject Name: Mine Legislation				
Time: 10.30 am - 01.00 pmTotal Mark				
<ul> <li>Instructions:</li> <li>1. Attempt any five questions.</li> <li>2. Make suitable assumptions wherever necessary.</li> <li>3. Figures to the right indicate full marks.</li> </ul>				
Q.1	(a)	Explain : First aid rooms & its appliances & apparatus requirement as per Mines Rules 1955.	07	
	<b>(b)</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>(b)</b>	What are the provisions for man winding as per MMR-1957. OR	07	
	<b>(b)</b>	Define : (1) gassy seam (2) Auxiliary fan & (3) Permitted explosive	07	
Q.3	<b>(a)</b>	Describe various methods of Reconnaissance & Prospecting operations & statutory provisions as per MCR -1960 & MMDR act-1957	07	
	<b>(b)</b>	What are requirements of mining Plan as per MCDR -1988. OR	07	
Q.3	(a)	Explain various provisions of explosive rules applicable with respect to mines	07	
	<b>(b)</b>	Explain salient features of Pit Head bath rules.	07	
Q.4	(a) (b)	What are Penalty provisions for illegal mining in MMRD act 1957 ? Write short note on : National Mineral policy <b>OR</b>	07 07	
Q.4 Q.4	(a) (b)	What are the provisions for lighting & shoot firing as per CMR -1957 What are the general provisions with respect to health & sanitation in the Mines rules & Mines act-1952	07 07	
Q.5	<b>(a)</b>	Explain the Procedure of mining lease grant with respect to Mineral concession rule -1960 & MMRD act 1957.	07	
	<b>(b)</b>	Define as per statute. [1] Mineral , [2] Flame proof apparatus & [3] cap lamp	07	
Q.5	(a)	OR Define . [1] mines , [2] on setter & [3] misfire	07	
-	<b>(b)</b>	What are general statutory provisions with respect to Mines rescue rules.	07	

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