

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) - EXAMINATION – SUMMER 2018****Subject Code:2172202/2172209****Date:01/05/2018****Subject Name:Mine Legislation****Time:02.30 PM to 05.00 PM****Total Marks: 70****Instructions:**

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

			MARKS
Q.1	(a)	What is flame proof apparatus?	14
	(b)	Explain responsibility & functions of (1) safety officer & (2) Mines manager; as per MMR-1957.	
	(c)	Explain: First aid rooms & its appliances & apparatus requirement as per Mines Rules 1955.	
Q.2	(a)	What is gassy seam?	03
	(b)	What are Penalty provisions in MMRD act 1957? Explain with sections.	04
	(c)	When Mines Act 1952 not apply in certain cases? Describe it.	07
		OR	
	(c)	Define maximum periods and area for which a reconnaissance ,prospecting & mining lease is granted as per MMRD act 1957.	07
Q.3	(a)	What is Misfire?	03
	(b)	Explain the basic features of National Mineral Policy 2008.	04
	(c)	Define following terms as par Mining Legislation. (1) Reportable injury (2) Banksman (3) Competent person (4) Gassy seam of the first degree (5) general body of air (6) Auxiliary fan (7) Undermanager.	07
		OR	
Q.3	(a)	What is First aid room?	03
	(b)	What are requirements of mining Plan as per MCDR -1988?	04
	(c)	Explain provisions for use of various electric cables as per Indian electricity Act & rules.	07
Q.4	(a)	What is rescue station?	03
	(b)	Explain Workmen's Inspector and safety committee: function, duties and appointment; as per Mines Rules 1955.	04
	(c)	Explain provisions for training of special categories of employees as per Mine Vocational Training rules, 1966.	07
		OR	
Q.4	(a)	What is rescue room?	03
	(b)	What are general statutory provisions with respect to Mines rescue rules?	04
	(c)	State the establishment, location & function of Rescue station and Rescue Rooms.	07
Q.5	(a)	What is Serious bodily injury?	03
	(b)	Explain explosive rules.	04
	(c)	Elaborate pit head bath rules.	07
		OR	
Q.5	(a)	What is Reportable injury?	03
	(b)	Write a note on Hours and Limitation of Employment.	04
	(c)	Explain Haul Road Designing in Opencast Mines.	07
