

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII(NEW) EXAMINATION – SUMMER 2019****Subject Code:2172209****Date:14/05/2019****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) Define following terms as per Mining Legislation. (1) Banksman (2) General body of air (3) Misfire.	03
	(b) Describe duties and responsibility of managers.	04
	(c) What is safety committee? Explain function of safety committee.	07
Q.2	(a) Describe the qualification, duties and responsibility of Undermanager.	03
	(b) Describe about (1) monthly return (2) types of injuries.	04
	(c) Describe general requirements for the mine plans and sections as per MMR-1957.	07
OR		
	(c) When Mines Act 1952 not apply in certain cases? Describe it.	07
Q.3	(a) Explain Accidents?	03
	(b) What are the penalty provisions in MMDR act?	04
	(c) Write note on: Rescue station.	07
OR		
Q.3	(a) Define the following terms (1) Gassy seams (2) Auxiliary Fan & (3) Permitted Explosive.	03
	(b) Explain duties of safety officer.	04
	(c) Write a note and explain salient features of Pit Head bath rues.	07
Q.4	(a) What are the requirements for mining plan as per MCDR-1988?	03
	(b) Explain provisions for use of various electric cables as per Indian electricity Act & rules.	04
	(c) Describe salient features of Explosive Rules.	07
OR		
Q.4	(a) What is rescue room?	03
	(b) Write short note on first aid rooms.	04
	(c) Write a note on regulations regarding “Haul Road Designing in Opencast Mines” as per DGMS Circular and CMR.	07
Q.5	(a) What is flame proof apparatus?	03
	(b) Give qualification and appointment of ventilation officer.	04
	(c) Write a note on “Hours and Limitation of Employment” as per Mines Act 1952	07
OR		
Q.5	(a) Explain Permitted Explosive.	03
	(b) Explain about workmen inspector and it duties.	04
	(c) Explain provisions for training of special categories of employees as per Mine Vocational Training rules, 1966.	07
