

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

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