

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2020****Subject Code:2172209****Date:21/01/2021****Subject Name:Mine Legislation****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Explain function of safety committee.	03
	(b) State the duties and responsibility of manager.	04
	(c) Describe the hours and limitation of employment as per the Mines Act 1952.	07
Q.2	(a) Explain different types of injury.	03
	(b) Discuss why Mines Act, 1957 not apply in certain cases.	04
	(c) Explain provisions for training of special categories of employees.	07
Q.3	(a) Describe the basic features of National Mineral Policy.	03
	(b) State the purpose behind Vocational Training Rules in detail.	04
	(c) Discuss the general requirements for the mine plans and sections.	07
Q.4	(a) Discuss the salient features of Explosive Rules.	03
	(b) Describe various precautions for man winding.	04
	(c) Discuss various Pit Head Bath Rules in brief.	07
Q.5	(a) Describe the function of First Aid Room.	03
	(b) State the establishment, location & functions of rescue rooms.	04
	(c) Explain the provision of prospecting operations as per MMDR Act, 1957.	07
Q.6	(a) Describe the function of First Aid Station.	03
	(b) State the establishment, location & functions of rescue station.	04
	(c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957.	07
Q.7	(a) Define the term: Misfire, Gassy Seam and Flame Proof Apparatus.	03
	(b) Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957.	04
	(c) Explain storage of explosive as per Indian Explosive Act, 1884.	07
Q.8	(a) Define the term: General body of air, Auxiliary fan and Booster fan.	03
	(b) Explain qualification, duties and responsibilities of Mines Manager as per MMR, 1957.	04
	(c) Explain quantity and storage of drinking water as per Mine Rule, 1955.	07
