

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– VII (New) EXAMINATION – WINTER 2019****Subject Code: 2172209****Date: 26/11/2019****Subject Name: Mine Legislation****Time: 10:30 AM TO 01:00 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) Describe the basic features of National Mineral Policy.	03
	(b) Describe why Mines Act, 1957 not apply in certain cases.	04
	(c) Discuss the general requirements for the mine plans and sections.	07
Q.2	(a) Explain Conservation of Minerals.	03
	(b) Describe the purpose behind Vocational Training Rules in detail.	04
	(c) Explain maximum periods and area for which reconnaissance, prospecting & mining lease are granted as per MMDR Act, 1957.	07
OR		
	(c) Explain the provision of prospecting operations as per MMDR Act, 1957.	07
Q.3	(a) Explain reportable injury and serious bodily injury.	03
	(b) Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957.	04
	(c) Explain quantity and storage of drinking water as per Mine Rule, 1955.	07
OR		
Q.3	(a) Explain function of safety committee.	03
	(b) Explain qualification, duties and responsibilities of Mines Manager as per MMR, 1957.	04
	(c) Explain storage of explosive as per Indian Explosive Act, 1884.	07
Q.4	(a) Explain Misfire, Gassy Seam and Flame Proof Apparatus.	03
	(b) Describe salient features of Explosive Rules.	04
	(c) Explain provisions for training of special categories of employees.	07
OR		
Q.4	(a) Define the term: General body of air, Auxiliary fan and Booster fan.	03
	(b) Describe various precautions for man winding.	04
	(c) Explain working of Safety Committee in detail.	07
Q.5	(a) Describe the function of First Aid Room.	03
	(b) State the establishment, location & functions of rescue station.	04
	(c) Explain provisions for use of various electric cables as per Indian Electricity Act & Rules.	07
OR		
Q.5	(a) Describe the function of First Aid Station.	03
	(b) State the establishment, location & functions of rescue rooms.	04
	(c) Discuss various Pit Head Bath Rules in brief.	07
