

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 2018****Subject Code: 2172209****Date: 19/11/2018****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) Explain the basic features of National Mineral Policy.	03
	(b) Explain qualification, duties and responsibilities of Safety officer as per MMR, 1957.	04
	(c) Explain the provision of prospecting operations as per MMDR Act, 1957.	07
Q.2	(a) What is safety committee? 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
	OR	
	(c) Explain quantity and storage of drinking water as per Mine Rule, 1955.	07
Q.3	(a) Describe why Mines Act, 1957 not apply in certain cases.	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
	OR	
Q.3	(a) Discuss the hours and limitation of employment as per Mines Act, 1952.	03
	(b) State the establishment, location & functions of rescue rooms.	04
	(c) Discuss the general requirements for the mine plans and sections as per MMR-1961.	07
Q.4	(a) Define the term: Misfire, Permitted Explosive and Flame Proof Apparatus.	03
	(b) Describe qualification and appointment of Ventilation Officer.	04
	(c) Discuss various Pit Head Bath Rules in brief.	07
	OR	
Q.4	(a) Define the term: Gassy seam, Auxiliary fan and Booster fan.	03
	(b) Discuss the function, duties and appointments of Workmen's Inspector.	04
	(c) Explain provisions for use of various electric cables as per Indian Electricity Act & Rules.	07
Q.5	(a) Write a note on reportable injury and serious bodily injury.	03
	(b) Describe the purpose behind Vocational Training Rules in detail.	04
	(c) Explain provisions for training of special categories of employees as per Mine Vocational Training rules, 1966.	07
	OR	
Q.5	(a) Write a note on Conservation of Minerals.	03
	(b) Describe various precautions for man winding as per CMR-1957.	04
	(c) Explain penalty provisions in MMDR act 1957 with sections.	07
