

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

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