

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII (NEW) EXAMINATION – SUMMER 2021****Subject Code:2172209****Date:04/08/2021****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.

<b>Q.1</b>	(a)	Give definition of 1)Agent 2) Manager 3) owner	<b>03</b>
	(b)	Explain function of committee	<b>04</b>
	(c)	Qualification and duty of Mines manager	<b>07</b>
<b>Q.2</b>	(a)	Explain leaves and wages rules of open cast mines	<b>03</b>
	(b)	What is health regarding specification in mine act 1952?	<b>04</b>
	(c)	Why first aid room is necessary in underground mines?	<b>07</b>
<b>OR</b>			
<b>Q.3</b>	(c)	Give the technical parameter of mine rescue room	<b>07</b>
	(a)	Explain District Mineral foundation	<b>03</b>
	(b)	Describe national mineral policy 2019	<b>04</b>
	(c)	Explain salient features of Pit Head bath rules	<b>07</b>
<b>OR</b>			
<b>Q.3</b>	(a)	Role of Chief Inspector	<b>03</b>
	(b)	What is the qualification of safety officer	<b>04</b>
	(c)	Define (1) gassy seam (2) Auxiliary fan & (3) Permitted explosive	<b>07</b>
<b>Q.4</b>	(a)	Write function of safety committee.	<b>03</b>
	(b)	Define: (1) Reportable injury (2) Serious bodily injury (3) minor injury.	<b>04</b>
	(c)	What are various provisions of mining Plan as per MCDR -1988?	<b>07</b>
<b>OR</b>			
<b>Q.4</b>	(a)	Qualification and duty of workman inspector	<b>03</b>
	(b)	When Mines Act 1952 not apply in certain cases? Describe it.	<b>04</b>
	(c)	Explain provisions for use of various electric cables as per Indian electricity act & rules.	<b>07</b>
<b>Q.5</b>	(a)	Explain process of making Regulations, Rules and Bye-Laws	<b>03</b>
	(b)	Explain role of medical board	<b>04</b>
	(c)	Explain provisions for training of special categories of employees as per Mine Vocational Training rules,1966.	<b>07</b>
<b>OR</b>			
<b>Q.5</b>	(a)	Which rule is apply for Hours and Limitation of Employment	<b>03</b>
	(b)	Qualification and duty of Certifying Surgeons	<b>04</b>
	(c)	When Gujarat minor mineral concession rule 2017 not apply in certain cases	<b>07</b>

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