Seat No.: Enrolment No			
		<b>GUJARAT TECHNOLOGICAL UNIVERS</b>	ITY
<b>B.E.SEMESTER-III (NEW)-EXAMINATION -SUMMER-2015</b>			
Subject code: 2132201 Date: 29/05/2015			e: 29/05/2015
Subject Name: Introduction to Mining			
1 1			otal Marks: 70
Instructions:			
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	5.	Figures to the right indicate full marks.	
Q.1	(a)	What is the significance of mining industry?	07
-	<b>(b)</b>	Narrate the socio-economic implications of mining?	07
Q.2	(a)	Explain the difference in mining methods of coal and non-coal de	eposits. 07
	<b>(b)</b>	What are the health and safety issues that rise due to mining? OR	07
	<b>(b</b> )	Distinguish between surface and sub-surface mining.	07
Q.3	(a)	Explain the methods of prospecting and exploration for mining.	07
	<b>(b</b> )	What are the important mineral resources of Gujarat?	07
0.2	(a)	OR	07
Q.3	(a) (b)	What are the principles and methods of drilling? Explain the difficulties in drilling.	07 07
	(0)	Explain the uniteduces in arming.	07
Q.4	(a)	How mine development is done?	07
	<b>(b)</b>	Write a note on diamond drilling.	07
		OR	
Q.4	(a)	What are different types of explosives and also explain their prop	
	<b>(b)</b>	Explain different loading equipments with diagram.	07
Q.5	(a)	Write a note on any two :-	14
		1. Basic transportation equipments.	
		2. Borehole data.	
		3. Drilling accessories.	
		4. Core recovery.	
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