## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2016 Subject Code:2162205 Date:11/05/2016			16	
Subject Name: Mine Surface Environment				
Time: 10:30 AM to 01:00 PM Instructions:  Total Ma			rks: 70	
•		1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.		
Q.1	(a) (b)	What is AMD? What are the impacts of AMD? Explain the effect of mining on fauna.	07 07	
Q.2	(a) (b)	What are the impacts of mining on ground water table? What are the Environmental issues of mineral industry?  OR	07 07	
	<b>(b)</b>	Explain the direct and indirect economic impact of mining?	07	
Q.3	(a) (b)	What are drainage pattern? How the effects of mining to drainage pattern.  What are the economic parameters of environmental degradation?  OR	07 07	
Q.3	(a) (b)	What landscape planning is required in mining? Write a short note on Health hazards due to mining.	07 07	
Q.4	(a) (b)	What are the impacts of mining on forests? Write a note on Stabilizing the debris dumps in this mining operation.  OR	07 07	
Q.4	(a) (b)	What is land degradation? Explain the various land reclamation method. How water pollution can be controlled from mining activities?	07 07	
Q.5		What is demography? Explain how the mine environment affects the human population?	07	
	<b>(b)</b>	What is airborne repairable dust? Explain its harmful physiological effects and control.  OR	07	
Q.5	(a)	What are the anthropogenic changes in ecosystem? Explain with suitable example.	07	
	<b>(b)</b>	How is dust generated and dispersed in mining.	07	

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