Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI • EXAMINATION - WINTER • 2014

Subject Code: 162205 Subject Name: Mine Surface Environment			
Ti	•	2:30 pm - 05:00 pm Total Marks: 70	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Explain the major environmental issues in mining industry. What are the direct and indirect impacts impact of mining on Scocio-economic environment?	07 07
Q.2	(a) (b)	What is AMD? What are minerals responsible for generating AMD? What precautions are to be taken care for natural drainage pattern in mining? OR	07 07
	(b)	Explain the parameters to measure the Socio-Economic environment of mining surroundings?	07
Q.3	(a) (b)	What are the impacts of mining on surface and sub-surface waters? Explain the problems of AMD with respect to Indian mining scenario? OR	
Q.3	(a) (b)	How is dust generated and dispersed in mining. What type of gaseous and air pollution is created in mining operation?	
Q.4	(a) (b)	What are the impacts of mining on forests? What is the type of noise pollution created in mining and how it is controlled? OR	
Q.4	(a) (b)	Explain the blasting hazards with respect to environment. How soil quality degraded due to mining?	
Q.5		 Write note on any two: - Landscape planning in mining. Fly rock issues in mining. Ecological effects of mining on fauna. Effects of mining on visual landscape. 	14
