Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION - WINTER • 2014

U			Date: 26-11-2014	
Subject Name: Biodegradation and Bioremediation Time: 10.30 am - 01.00 pm Instructions: Total Marks: 7				
	1. 2. 3.	ı		
Q.1	(a)	Explain natural attenuation in bioremediation.		07
	(b)	Write a note on bioremediation and discuss its constraints	and priorities.	07
Q.2	(a)	Explain the method of treatment cotton textile mill wastes sheets.	s with the help of flow	07
	(b)	Explain the pathway of genetic engineering of biodegrada OR	tion.	07
	(b)	Explain the trickling filter towers.		07
Q.3	(a) (b)	Explain the bacterial examination of water for portability Explain details about bioaugmentation and biostimulation. OR		
Q.3	(a) (b)	Explain the oxidation pond in detail. Explain the process of removal of heavy metals from wastes water.		
Q.4	(a) (b)	What is the effect of chemical structure on biodegradation Define in detail the cometabolism and biotransformation. OR		
Q.4	(a) (b)	Explain the Biosparging process in Bioremediation Explain in detail about Phytoremediation.		
Q.5	(a) (b)			
Q.5	(a) (b)	a) What are the advantages and disadvantages of Bioremediation?		
