Seat No.:	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III • EXAMINATION – SUMMER 2013

•	Code: 131302	Date: 04-06-2013	
-	Name: Environmental Microbiology 3.30 pm - 05.00 pm s:	Total Marks: 70	
2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
	we the classification of bacteria with sketches. plain the significance of microbiology in the field of Envi	ronmental Engg. 07	
	te down the procedure for MPN test. ite a short note on different types of stains and staining tec OR	chniques. 07	
(b) Wr	rite a brief note on õHistory of Microbiologyö.	07	7
- \ /	fferentiate between Prokaryotes and Eukaryotes. list and explain the methods of isolation of pure culture. OR	0° 07	
	fferentiate between (i) Disinfection and Sterilization (ii) A rite a short note on vinegar production using microbes.	antiseptic and Sanitizer 0'0'	
- \ /	nat is eutrophication? Explain the measures to control eutrite important characteristics of viruses. OR	rophication. 07	
(a) Giv 07	we the classification of protozoa and explain any one in de	tail with sketch.	
-	fferentiate between dark field and bright field microscopy		
- ()	ve the classification of fungi and explain any one in detail list and explain the factors affecting antimicrobial action of OR		
	ist the diseases caused by bacteria and viruses and explain aptoms, treatment and prevention of any two diseases.	n the causes, 14	1
