GUJARAT TECHNOLOGICAL UNIVERSITY BE – SEMESTER – VI (NEW).EXAMINATION – WINTER 2016

	•	ect Code: 2160509 Date: 26/10/2016 ect Name: Biotechnology	
	•	: 10:30 AM to 01:00 PM Total Marks: 70	
Q.1	(a) (b)	Write a note on rDNA technology. Discuss about the classification of enzymes.	07 07
Q.2	2 (a) (b)	Define the word bioremediation. Discuss various aspects of it in detail. Give a detail account on single cell protein. OR	07 07
	(b)	Describe in detail about desirable and undesirable features of biofuel.	07
Q.3	8 (a) (b)	What do you mean by Genetically Modified Organisms (GMOs)? Explain with suitable example.	07 07
Q.3	6 (a) (b)	OR What are the uses of DNA fingerprinting in forensic medicine. Explain the process of biodegradation.	07 07
Q.4	(a) (b)	Give full form of IPR. Write in detail about patent. Discuss about in vitro fertilization. OR	07 07
Q.4	(a) (b)	Define the term plant tissue culture. What are different culturing techniques? How biotechnology is useful in health care, explain with suitable example?	07 07
Q.5	5 (a)	Define the term immobilized enzyme. What are different uses of immobilized enzymes?	07
	(b)	Explain the process of strain improvement in industrial microbiology. OR	07
Q.5	5 (a) (b)	List out the uses of enzymes in food and dairy industry with suitable example. Give a detail account on application of rDNA technology.	07 07

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