	Enrollm	ent No:	Exam Seat No:			
		C.U.SHAH	UNIVERSITY			
	Winter Examination-2018					
	Subject Name: Discipline Specific Elective-II (Microbial Biotechnology)					
	Subject Code: 4SC05MBT1		Branch: B.Sc. (Microbiology)			
	Semeste	r: 5 Date: 05/12/2018	Time: 10:30 To 01:30	Marks: 70		
	(2) I (3) I			prohibited.		
Q-1		Attempt the following questions	::	(1x14=14)		
	a) b) c) d) e) f) g) h) i) j) k)	Write full form of PGPR. What is biotransformation? Biodiesel refers to a vegetable oil- Patent can be transferred in India. The use of microorganisms to compollutants is known as	issume and break down environments: Solution: Solution: True/False Brent gases produced by the breakdoxygen. True/False antly available raw material on the breaker False from one party to another party. True/False edication and enzyme. True/False	tal se of living own of Earth for		
Atte	n) empt any f	Yeast is a prokaryotic organism. Tour questions from Q-2 to Q-8	rue/False			
Q-2	a b	Attempt all questions What are Biopesticides? Explain to Briefly explain the production of	their role in modern biotechnology. methane by bacteria.	7 7		
Q-3	}	Write notes on-				



Patents

Microbial biosensors

a.

b.

7 7

Q-4	Attempt all questions		
	a. Explain the role of microbes in bioremediation.		7
	b.	What are recombinant vaccines? Explain the process of development of	7
		recombinant vaccine with suitable example.	
Q-5		Write notes on-	
	a.	Trademark	7
	b.	Bioethanol	7
Q-6		Attempt all questions	
	a.	Write short assay on industrial applications of genetically engineered microbes.	7
	b.	What are biofertilizers? Explain the importance of it with suitable examples.	7
Q-7		Write notes on-	
	a.	Copyright	7
	b.	Biogas	7
O-8		What is RNAi? Explain its role and importance in gene silencing.	(4+10)

