	Enrollment No: _				
		C.U.SHAH	UNIVERSITY		
	Summer Examination-2019				
	Subject Name: Di Subject Code: 4S Semester: 5		II (Microbial Biotechnology) Branch: B.Sc. (Microbiol Time: 10:30 To 01:30	ogy) Marks: 70	
	(2) Instruction(3) Draw near	_	y other electronic instrument is p ook are strictly to be obeyed. cessary) at right places.	rohibited.	
Q-1	1 Attemp	t the following questions:		(14)	
Atte	b) Define of Expand d) Expand e) Define I f) Name as g) Name as h) Define I i) Define I j) What do k) What do l) Name a m) What do n) Name as	RNAi Biotechnology ny two industrially importar ny one bacterial plasmid imp	nt recombinant products portant in Genetic Engineering thogen interaction or ter production inant vaccine		
Q-2	a) Discuss	t all questions the production of streptokir the production of biopestici		(14) (7) (7)	
Q-3	a) Explain	t all questions the role of microorganisms the production of hydrogen	•	(14) (7) (7)	
Q- 4		t all questions note on microbial biosensor	rs	(14) (7)	



How microbes are exploited in mineral recovery?

Attempt all questionsDiscuss applications of RNAi in gene silencing

b)

a)

Q-5

(7)

(14)

(7)

	b)	Write a note on copyrights	(7)
Q-6		Attempt all questions	(14)
	a)	Discuss the production of high fructose syrup using microbial biotechnology	(7)
	b)	Explain the importance of trademarks in IPR	(7)
Q-7		Attempt all questions	(14)
	a)	How recombinant vaccines have been proved to be superior to traditional vaccines?	(7)
	b)	Discuss the role of Mycorrhizae in agricultural biotechnology	(7)
Q-8		Attempt all questions	(14)
-	a)	Discuss the role of genetically engineered bacteria in industries	(7)
	b)	Discuss the production of Bio gas from cellulosic wastes.	(7)

