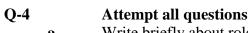
	Enrollm	ent No:	Exam Seat No:			
		C.U.SHAF	I UNIVERSITY			
	Winter Examination-2018					
	Subject 2	Name : Biomolecular Engineerii	ng			
	Subject	Code: 4SC05BME1	Branch: B.Sc. (Microbiology)			
	Semester	r:5 Date: 28/11/2018	Time: 10:30 To 01:30 Marks	: 70		
	(2) 1 (3) 1					
Q-1		Attempt the following question	ıs:	(1x14=14)		
	a)b)c)	rDNA deals with cutting and join Write names of two restriction en PCR is also used for protein amp				
	d) e) f)	EcoRI is used to join two fragme pUC is a type of plasmid. True/F Generally plasmid has minimum				
	g) h) i) j) k)	is un-controlled gro EtBr is in nature. (Carcinog	sed to separate the DNA fragments. True/False owth of cells. (Cancer/ Thyroid/ Cirosis)			
	l) m) n)	What are binary vectors? In plasmids, MCS have many res Bt gene is used in animal breedir	striction endonuclease cutting sites. True/False ng. True/False			
Atte	mpt any f	four questions from Q-2 to Q-8				
Q-2	a b	•	on? Explain it with suitable examples. agineering? Explain the role of genetic ad.	7 7		
Q-3	a. b.	Write short notes on- Drug Delivery Systems Biosensors		7 7		



Attempt all questionsWrite briefly about role of DNA modifying enzymes in biology. a.



7

	b.	How you will separate the cloned RNA fragment form a plasmid.	7
Q-5		Write short notes on-	
	a.	Ti Plasmid	7
	b.	Nucleases	7
Q-6		Write short notes on-	
	a.	Bio-synthesis for nano structures	7
	b.	Restriction digestion of DNA	7
Q-7		Attempt all questions	
	a.	Explain the process of recombinant insulin production.	7
	b.	What is gene gun? Explain its role in gene cloning.	7
Q-8		What is +ve clone selection? Explain the process of blue/white selection process.	(4+10)

