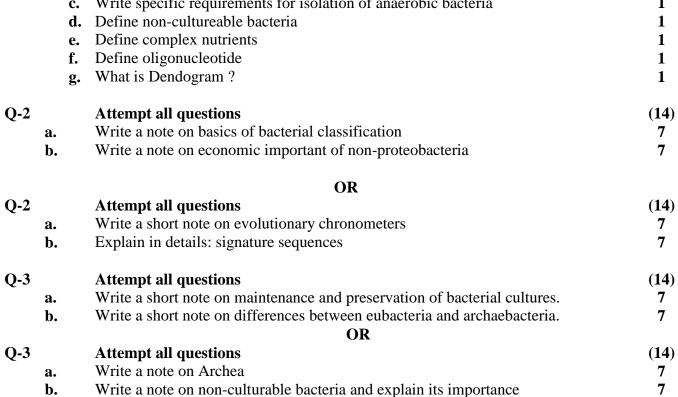
Enrol	lment No: _		Exam Seat No:		
			UNIVERSITY		
		Summer Exa	amination-2017		
Subje	ct Name : B	acterial Diversity			
Subje	ct Code : 5S	C02BAD1	Branch: M.Sc.(Microbiology)		
Semes	Semester: 2 Date: 02/05/2017		Time: 02:00 To 05:00	Marks: 70	
(3)) Draw neat	diagrams and figures (if ne itable data if needed.			
Q-1	Attempt	the Following questions	TION – I	(07)	
k c c e f	Write speed. Define notDefine conditionsDefine of	ndospore. ference between eubacteria ecific requirements for isola on-cultureable bacteria omplex nutrients igonucleotide Dendogram?		1 1 1 1 1 1	
Q-2	_	all questions ote on basics of bacterial cl	assification	(14) 7	





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SECTION – II

Q-4		Attempt the Following questions	(07)
a. Enli		Enlist the various stages of bacterial growth	1
	ŀ	• Explain effect of nutrients avaibility on bacterial growth curve	1
	(Give any two example of Alpha proteobacteria	1
	(. Give any two example of Beta proteobacteria	1
	•	. Give any two example of Gamma proteobacteria	1
	f	• Draw the structure of bacterial flagella	1
	٤	Explain in one sentence about importance of rizobacteria	1
Q-5		Attempt all questions	(14)
		Write a note on locomotory organelles of bacteria	14
		OR	
Q-5		Attempt all questions	(14)
	a	Explain in details: Culture media	7
	b.	Explain in details: Methanogenes	7
Q-6		Attempt all questions	(14)
		Write a note on various model proposed to describe cell membrane of bacteria	14
		OR	
Q-6		Attempt all Questions	(14)
		Explain in details: Halophiles	7
		Write a note on difference between alpha, beta and gamma proteobacteria	7

