November-2018 B.Sc Sem-V Microbiology BSCSE505 Geomicrobiology

Time:03 Hours Instruction:			Max. Marks: /u	
ınstr	• 1	: All questions carry equal marks. Draw a neat and labeled diagram when required. Write the questions number clearly.		
Q-1	Write any two of the following.		14	
	l.	Theories of evolution of file		
	11.	Phylogenic tree		
	III.	Concept of species		
	IV.	Importance of biodiversity		
Q-2	Write any two of the following.		14	
	l.	Discuss culture methods used to study microbial diversity		
	11.	Discuss the T _m and at:gc importance to study microbial dive	ersity	
	Ш.	Discuss sequenceing of r RNA to study microbial diversity		
	IV.	List methods to study non culturable microbes and discuss	any two	
Q-3	Write	any two of the following.	14	
	I.	Origin of metal sulphides		
	11.	Biodegradation of minerals		
	III.	Acid mine drainage		
	IV.	Bioaugmentation		
Q-4	Write any two of the following.		14	
	1.	Meor		
	If.	Geomicrobiology of methane		
	Ш.	Role of microbes in peat formation		
	IV.	Role of microbes in coal formation		
Q-5	Answ	er as directed.	14	
	Define the following terms:			
	1.	Biodiversity		
	H.	Microbial ecology		
	11).	Geomicrobiology		
	IV.	Biogenesis		

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