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	Enrollm	ient No: _		CHAH		eat No: PDCITV		-			
	C.U.SHAH UNIVERSITY Summer Examination-2016										
	Subject Name: Microbial Diversity & Taxonomy										
	Subject Code: 4LS01MBO2/4LS01MBO3/4SC01MDT1 Branch: B.Sc.(Microbiology)										
	Semeste	er: 1	Date: 02	2/05/2016	Time: 1	0:30 To 01:30	Marks: 70				
	 Instructions: (1) Use of Programmable calculator & any other electronic instrument is prohibited. (2) Instructions written on main answer book are strictly to be obeyed. (3) Draw neat diagrams and figures (if necessary) at right places. (4) Assume suitable data if needed. 										
Q-1		Attemp	t the followi	ing questions:				(14)			
	a) b) c) d) e) f) g) h) i) k) l) m) n)	Define Me What is What is Give two Where a What do What do Give two Define Me Define Me Who did to the Me	Microbiology you mean b "Retro virus the energy s o examples o are algae four you mean b d discover the you mean b	by Exomicrobio 3"? ource in photot of Eukaryotic band? by Phylogeny? e name- bacteri by Autotrophs? of fungus belon	ology? ropic Bacteria? acteria. dophage?	Deuteromycetes.					
Atte	mpt any	four ques	stions from (Q-2 to Q-8							
Q-2		Discuss of algae	•	racteristics, stru	cture, reproduc	ction and economic	c importance	(14)			
Q-3		Describe detail.	e classification	on of bacteriopl	hage and expla	in lytic and lysoge	nic cycle in	(14)			



Attempt all questions

a) Describe general features of endospore forming gram positive rods and cocci.

b) Discuss general characteristics and structure of protozoa in detail.

(14) (7)

(7)

Q-4



Q-5		Attempt all questions Describe general characteristics of aerobic and anaerobic types of gram negative bacteria. Discuss various cultivation methods of animal virus.		
	a)			
	b)			
Q-6	Attempt all questions		(14)	
	a)	Describe classification and importance of fungi.	(7)	
	b)	Define virus. Explain its morphology in detail.	(7)	
Q-7		Attempt all questions		
	a)	Write a note on Mycobacterium and give 3 examples.	(14) (5)	
	b)	Draw a labeled diagram representing Whittaker's five kingdom classification system.	(5)	
	c)	Write a short note on Tobacco Mosaic Virus.	(4)	
Q-8		Attempt all questions	(14)	
	a)	Discuss Spirochetes according to Bergrey's manual.	(5)	
	b)	Write a short note on microbial taxonomy.	(5)	
	c)	Discuss ecological importance of Archaea.	(4)	

