C.U.SHAH UNIVERSITY Winter Examination-2018

Subject Name: Introduction to Microbiology and Microbial Diversity

	Subject	Code: 4SC01IMD1		Branch: B.Sc. (M	icrobiology)			
	Semester	r: 1 Date: 1	1/12/2018	Time: 02:30 To 0	5:30 Marks: 7	'0		
	Instructio	ons:						
				y other electronic instrur				
	(2) Instructions written on main answer book are strictly to be obeyed.							
			-	cessary) at right places.				
	(4)	Assume suitable data	if needed.					
Q-1		Attempt the follow	ing questions:			(14)		
	a)	Name any two disea	use cause by price	ons				
	b)							
	c)	Define heterokaryosis						
	d)	Define parasexualism						
	e)	Name any two scientist who contributed in the development of phycology						
	f)	Define mycology						
	g)	Name the powerhouse of a cell						
	h)	Name the organelle known as suicidal bags						
	i)	Name semiautonomous organelles of a cell						
	j)	Edward Jenner is known as father of microbiology. True/ False						
	k)	Robert Koch gave the Germ theory of disease. True / False						
	l) m)	Three kingdom classification system was given by The scientific name of Mango is						
	m) n)							
Atte		four questions from	-					
Q-2		Attempt all question				(14)		
× -		Explain Whittaker's		lassification		(7)		
	b)	Write a short note o				(7)		
Q-3	5	Attempt all questions (1						
	a)	Discuss the major c	ontributions of	Louis Pasteur and Rober	t Koch in the field of	f (7)		
		microbiology						
	b)	Diagrammatically microorganisms	differentiate	between prokaryotic	e and eukaryotic	c (7)		
Q-4		Attempt all question				(14)		
	a)	Jenner in the field of	-	se. Also discuss the co	ntribution of Edward	d (7)		

b) Write the morphological charactistics of Fungi. Also discuss economic (7)



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importance of fungi

Q-5		Attempt all questions	(14)
-	a)	Discuss the contributions of Martinus W. Beijerinck and Selman A.Waksman in the field of soil microbiology	(7)
	b)	Compare the concept of spontaneous generation with biogenesis	(7)
Q-6		Attempt all questions	(14)
	a)	Write a note on the applications of algae in agriculture.	(7)
	b)	Compare the asexual and sexual mode of reproduction in fungi	(7)
Q-7		Attempt all questions	(14)
	a)	Discuss general characteristics of Paramecium. Also draw a labeled diagram of Paramecium	(7)
	b)	Explain the ultra- structure of a fungal cell with the help of a labeled diagram.	(7)
Q-8		Attempt all questions	(14)
	a)	Fungi find application in the field of medicine and food industry. Discuss	(7)
	b)	Discuss haplontic life cycle of algae	(7)

