C.U.SHAH UNIVERSITY Summer Examination-2019

	•	ect Name: Introduction to Microbiology and Microbial Diversity ect Code: 4SC01IMD1 Branch: B.Sc. (Microbiology)				
	Semester	r: 1 Date: 28/03/2019	Time: 02:30 To 05:30 Marks: 70)		
	Instructio	nns.				
	(1) Use of Programmable calculator & any other electronic instrument is prohibited.					
	(2) Instructions written on main answer book are strictly to be obeyed.					
		Draw neat diagrams and figures (if n	• •			
		Assume suitable data if needed.				
0.1		Attempt the following questions:		(14)		
Q-1	a)	Attempt the following questions: Name any two disease caused by b		(14)		
	a) b)	Define prion	acteria			
	b) c)	Name the scientist who gave binor	nial nomenclature			
	d)	Define virion				
	e)	Name any two scientist who gave	perm theory of disease			
	f)	Define phycology				
	g)	Name the double membranous cell	organelle			
	h)	Name the smallest cell organelle	6			
	i)	Name semiautonomous organelles	of a cell			
	j)	Joseph Lister is known as father of	microbiology. True/ False			
	k)	Beijerinck gave the Germ theory o	f disease. True / False			
	l)	Five kingdom classification system	ı was given by			
	m)	The scientific name of garden pea	is			
	n)	Cholera is caused by				
Atte	mpt any f	Cour questions from Q-2 to Q-8				
Q-2	1	Attempt all questions		(14)		
	a)	Explain Whittaker's five kingdom		(7)		
	b)	Write a short note on scope of mic	robiology	(7)		
Q-3		Attempt all questions		(14)		
	a)	0	f Joseph Lister and Alexander Fleming in the	(7)		
	• `	field of microbiology				
	b)	Discuss the role of microorganism	s in termentation	(7)		
Q-4		Attempt all questions		(14)		
	a)	Discuss the Germ theory of diseas	e. Also discuss the contribution of Paul Ehrlich	(7)		
		in the field of immunology.				
	b)		cteristics of Algae. Also discuss economic	(7)		
		importance of Algae				
Q-5		Attempt all questions		(14)		
-	a)		nus W. Beijerinck and Selman A.Waksman in	(7)		



	b)	the field of soil microbiology Compare the concept of spontaneous generation with biogenesis	(7)
Q-6	a)	Attempt all questions Discuss the Carl Woese's three kingdom classification systems and its utility.	(14) (7)
	b)	Give the classification of bacteria based on their morphology. Also discuss their economic importance	(7)
Q-7		Attempt all questions	(14)
	a)	Discuss the role of fungi in biodeterioration. Add a note on mycotoxin.	(7)
	b)	Discuss the general structure of Plasmodium with the help of a labeled diagram.	(7)
Q-8		Attempt all questions	(14)
-	a)	Algae find application in food industry. Discuss	(7)
	b)	Discuss diplohaplontic life cycle of algae	(7)

