Enrollment No: _	Exam Seat No:

## C.U.SHAH UNIVERSITY Summer Examination-2018

**Subject Name: Microbial Diversity & Taxonomy** 

Subject Code: 4SC01MDT1 Branch: B.Sc. (Microbiology)

Semester: 1 Date: 05/04/2018 Time: 02:30 To 05:30 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		Attempt the following questions:	(14)
	a)	Define: Microbiology.	(1)
	<b>b</b> )	Identify the term that describes rod-shaped bacteria: Coccus /Bacillus	(1)
	<b>c</b> )	The "classification system" was given by	(1)
	d)	Mycobacterium was discovered by Robert Koch .True/False.	(1)
	e)	Lichen is association between	(1)
	f)	Give example of any 2 Animal Virus.	(1)
	<b>g</b> )	Fungal cell wall is made up of	(1)
	<b>h</b> )	Who gave five kingdom Classification?	(1)
	i)	The oldest eukaryotic organism are considered to be Achaea .T/F	(1)
	j)	Plant cell wall is made up of	(1)
	<b>k</b> )	Give name of Acellular Organisms.	(1)
	1)	Scientific names are given in: Latin/English	(1)
	m)	Gram staining was introduced by Alfred gram. T/F	(1)
	n)	Three kingdom classification was given by?	(1)
Atten	npt any f	our questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
	a)	Write a note on Bacterial Diversity.	(7)
	<b>b</b> )	Write a note on Animal Viruses with example.	(7)
Q-3		Attempt all questions	(14)
	a)	Write a note on different types of Classification Systems.	<b>(7</b> )
	<b>b</b> )	Write a note on on Plant Viruses with example.	(7)
Q-4		Attempt all questions	(14)
	a)	Write a short note on general characteristics of Algae.	(4)
	<b>b</b> )	Write a note on Lytic cycle with figure.	(6)



c	c) Write a short note on Gram Positive Bacteria with Example.	(4)
Q-5		(4.1)
	Write a note on Protozoa.	(14)
Q-6		
	Write a note on Virus with necessary figures.	(14)
Q-7	Attempt all questions	(14)
a	a) Give applications of Algae	(5)
b	<b>b</b> ) Write a short note on Gram Negative Bacteria with Example.	(4)
c	write a note on general characteristics of Fungi.	(5)
Q-8	Attempt all questions	(14)
_	a) Give general characteristics of Bacteria and Archea.	(5)
b	<b>b</b> ) Write a short note on Bergey's Manual of Bacteriology.	(4)
c	c) Give applications of Fungi	(5)

