Enrollment No:	Exam Seat No:
	1234111 Deat 1101

C. U. SHAH UNIVERSITY

Winter Examination-2022

Subject Name : Scope and Applications of Microbiology

Subject Code: 4SC01SAM1 Branch: B.Sc. (Microbiology)

Semester: 1 Date: 10/01/2023 Time: 11:00 To 02:00 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)	What is Epitope?	01
	b	What is parasitism?	01
	c)	What do you understand by Abiogenesis?	
	d	antibody cross the placenta. (IgM/IgG/IgE)	01
	e)	Give the full form of SEM.	
	f)	What is Antigen.	01
	g	Give the example of instrument for moist heat sterilization.	
	h	Give the name of scientist who developed germ theory.	01
	i)	What do you understand by Biodegradation?	
	.j)	What is Tyndallization?	01
	k	What is ideal temperature and pressure of autoclave.	
	1)	AIDS caused by which virus.	01
	m) Give the name of different types of Microscopy.	
	n		01
		Microbiology.	
Atter	npt an	y four questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
	\mathbf{A}	What is Microscopy? Explain in details about Compound Microscope.	07
	В	Give the difference between SEM and TEM with labeled diagram.	07
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Q-3	A	Attempt all questions	(14)
	A	Write short note on scientist Luis pasture in contribution in development	07
	D	of microbiology.(with experiment)	07
	В	Write briefly about scientist Robert Koch and their postulates.	07
Q-4			(14)
-		Write in details about Antibody structure and their types.(with labeled	. ,



diagram)

Q-5		Attempt all questions	(14)
	\mathbf{A}	Write details note on Biofertilizer.	07
	B	Write a briefly about Microbial intraction.	07
Q-6		Attempt all questions	(14)
	\mathbf{A}	Write details note on types of Immunity.	07
	В	What is spontaneous generation? Give difference between biogenesis and abiogenesis.	07
Q-7		Write notes on:	(14)
	\mathbf{A}	Fluorescence Microscopy.	07
	В	Malaria and Tuberculosis.	07
Q-8			(14)
-		Write a short note on Sterilization. Explain briefly about physical sterilization.	` /

