## Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_ C. U. SHAH UNIVERSITY Winter Examination-2020

## Subject Name: Scope and Applications of Microbiology

Subject Code: 4SC01SAM1			Branch: B.Sc. (Microbiology)	
Semes	ter: 1	Date: 18/03/2021	Time: 11:00 To 02:00 Max	rks: 70
(2) (3)	Use o Instru Draw	of Programmable calculator & any actions written on main answer bo r neat diagrams and figures (if neo me suitable data if needed.		d.
Q-1		Attempt the following question	s:	(14)
	b) c) d) e) f) g) h) i) j) k) l) m)	Define Mutualism. What is refractive index? Enlist the name of the lenses use psi pressure is used in Draw the structure of antibody. Define immunoglobulin. Write a full name of SEM. What is biodegradation? Give the name of organism which hepatitis. What is pasteurization? Plasmodium is the causative agent Enlist the types of light microscop Define Epidemic. Define Magnification.	autoclave. h is responsible for the cause of nt of malaria. True/False	$ \begin{array}{c}   1 \\ $
Attem	pt any	four questions from Q-2 to Q-8		
Q-2	A B	Attempt all questions Write a detail note on the types of Give a brief note on compound n	-	( <b>14</b> ) 7 7
Q-3	A B	Attempt all questions Enlist the names of electron micr of SEM and TEM. Write a detail note on biodegrada	coscope types and draw the ray diagram	( <b>14</b> ) 7 7



Q-4		Attempt all questions	(14)
-	А	Write a detail note on dry heat sterilization.	7
	В	Give a detail note on the theory of spontaneous generation vs.	7
		Biogenesis.	
Q-5		Attempt all questions	(14)
	А	Enlist the types of method used for sterilization and write brief note on chemical sterilization.	7
	В	Write a detail note on rabies and typhoid.	7
Q-6			(14)
		Write a detail note development of various microbiological techniques and golden era of microbiology	
Q-7		Attempt all questions	(14)
	А	Give a detail note on commensalism and parasitism.	7
	В	Write a detail note on filtration and types of filters.	7
Q-8		Attempt all questions	(14)
	А	Give a detail note on antigen.	7
	В	Define pesticide and write a note on biopesticides.	7

