]	Enrollm	nent No: Exam Seat No:	_
		C.U.SHAH UNIVERSITY	
		Summer Examination-2019	
,	Subject	Name: World of Microbes Code: 4LS01MBO1 Branch: B.Sc. (Microbiology) r: 1 Date: 26/03/2019 Time: 02:30 To 05:30 Marks: 70	
	(2) 1 (3) 1	ons: Use of Programmable calculator & any other electronic instrument is prohibited. Instructions written on main answer book are strictly to be obeyed. Draw neat diagrams and figures (if necessary) at right places. Assume suitable data if needed.	
Q-1		Attempt the following questions:	(14)
	a) b) c) d) e)	What is IPA? Define: Microbiology. What is Endospore? Germ theory of disease proposed by Bacterial Cell wall is made up of (cellulose/chitin/glycogen)	
	f) g)	Resolution of Electron Microscope is greater than simple Microscope. True/False. Define: Resolution.	
	h) i)	What is antigen? State uses of Flagella	
	j)	What do you mean dye?	
	k) l)	Define: Vaccination Who disapproved spontaneous theory of evolution?	
Atten	m) n) npt any f	Define magnification power of microscope. Write two chemical agents of microbial control. four questions from Q-2 to Q-8	
Q-2		Write short notes on:	(14)
	A B	Vaccine Gram staining	07 07
Q-3	A	Attempt all questions Explain the structure of a typical antibody.	(14) 07
	В	Explain the role and importance of selective media in microbial isolation.	07



Differentiate between Gram Positive and Gram Negative Bacteria.

Attempt all questions Write note on antimicrobial agents.

Q-4

A

В

(14)

07

07

Q-5	Write short notes on:	(14)
\mathbf{A}	Types of Media	07
В	Autotrophic Bacteria	07
Q-6	Attempt all questions	(14)
\mathbf{A}	Write note on physical methods of Control of Micro-organism.	07
В	What is Replica Plating Technique? Explain in detail.	07
Q-7	Write short notes on:	(14)
A	Structure of Bacteria with figure.	07
В	Endosmosis	07
Q-8	Explain antimicrobial agents types with suitable examples.	(14)

