

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name : World of Microbes

Subject Code : 4LS01MBO1/4SC01WOM1

Branch : B.Sc(Microbiology)

Semester : 1

Date : 01/04/2017

Time : 10:30 To 01:30

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.
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Q-1	Attempt the following questions:	(14)
	a) What is antigen?	1
	b) Define the role of secondary stain?	1
	c) What do you mean by MHC?	1
	d) E. coli is gram positive. True/False	1
	e) Define magnification power of microscope.	1
	f) Write two physical methods of microbial control.	1
	g) What do you mean by Auxanography?	1
	h) Germ theory of disease proposed by.....	1
	i) What do you mean by focal length?	1
	j) What do you mean dye?	1
	k) Write the role of Flagella.	1
	l) Write two chemical agents of microbial control.	1
	m) What is IPA?	1
	n) What do you mean by counter stain?	1
 Q-2	 Attempt all questions	 (14)
	a Explain the structure of a typical antibody.	7
	b Explain controversy over spontaneous generation.	7
 Q-3	 Write short notes on-	 (14)
	A Vaccine	7
	B Gram staining	7



Q-4	Attempt all questions	(14)
a	Explain morphology of typical bacteria.	7
b	Explain scope of Microbiology	7
Q-5	Write short notes on-	(14)
a	Autotrophic Bacteria	7
b	Endosmosis	7
Q-6	What do you mean by antimicrobial agents? Explain their types with suitable example.	(14)
Q-7	Attempt all questions	(14)
a	Explain the cell wall structure of bacteria.	7
b	Explain the basic principal of electron microscope.	7
Q-8	Attempt all questions	(14)
a	Explain work of Louis Pasteur.	7
b	Explain the role and importance of selective media in microbial isolation.	7

