

Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Summer Examination-2020

Subject Name : Microbiology

Subject Code : 4NS01MIC1

Branch: B.Sc. (Nursing)

Year : 1

Date : 04/03/2020

Time : 02:30 To 05:30

Marks : 75

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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<b>Q-1</b>	<b>Define the following:</b>	<b>(15)</b>
	a) Microbiology	1
	b) Hospital Acquired Infection	1
	c) Vaccine	1
	d) Biomedical Waste Management	1
	e) Fomites	1
	f) Antigen	1
	g) Disinfectant	1
	h) Epidemic	1
	i) Hypersensitivity	1
	j) Phagocytes	1
	k) Septicaemia	1
	l) Mycology	1
	m) Pasteurization	1
	n) Chemotherapy	1
	o) Morphology	1

**Attempt any two questions from Q-2 to Q-5**

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(15)</b>
	a) Define Sterilization	2
	b) Write down the various methods of Sterilization with example	6
	c) Write down the detail mechanism of functioning Autoclave	7
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(15)</b>
	a) Define Bacteria	2
	b) Describe in detail the Microscopic structure of Bacteria	6
	c) Explain about Bacterial Growth	7
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(15)</b>
	a) Define Hospital Acquired Infection	
	b) Explain the Types of Hospital Acquired Infection	



	c)	Role of nurse in Hospital Acquired Infection	
<b>Q-5</b>		<b>Attempt all questions</b>	<b>(15)</b>
	a)	Explain detail about Immunity	7
	b)	Role of nurse in transport and collection of specimen	8
<b>Q-6</b>		<b>Attempt any six questions from A to J:</b>	<b>(30)</b>
	<b>A</b>	Principle and Important of Microbiology in nursing	5
	<b>B</b>	Culture media	5
	<b>C</b>	Standard safety measures	5
	<b>D</b>	CSSD	5
	<b>E</b>	ZN staining method	5
	<b>F</b>	Antigen and Antibody reaction	5
	<b>G</b>	Explain about Infection	5
	<b>H</b>	Cold chain	5
	<b>I</b>	Widal test	5
	<b>J</b>	Life cycle of Malaria parasites	5

