

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Microbiology

Subject Code: 4NS01MIC1

Branch: B.Sc. (Nursing)

Year: 1st

Date: 18/09/2018

Time: 02:00 To 05:00

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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Q-1	Attempt the following questions:	(15)
	Fill in the Blanks	
	a) Autoclaving is done at _____degree C temperature	1
	b) The cold chain temperature is _____	1
	c) Rice water stool is the characteristic feature of _____	1
	d) The skin test used to check resistance of person to leprosy is _____	1
	e) _____ are the organ of locomotion in bacteria	1
	Short notes = 2 mark*5=10 marks	
	a) Disposal of biomedical waste	2
	b) Scope of microbiology in nursing	2
	c) Cold chain	2
	d) Types of vaccines	2
	e) Fumigation	2

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

Q-2	Attempt all questions	(15)
	A Define Immunity	2
	B Explain the different types of Immunity	8
	C Explain Universal Immunization Schedule	5
Q-3	Attempt all questions	(15)
	A Explain in detail about Mycobacterium tuberculosis	8
	B What is Mantoux Test	3
	C Describe the treatment for Tuberculosis	4
Q-4	Attempt all questions	(15)
	A Explain the sources of infection	5
	B Describe various modes of transmission of infection	5
	C As a nurse how will you maintain standard safety precautions to prevent infection? Explain	5



Q-5	Attempt all questions	(15)
A	Describe the size and forms of bacteria with the help of diagrams.	5
B	Explain the methods of staining of microbes.	5
C	How the bacteria grow. Elaborate using bacterial growth curve?	5
Q-6	Explain any six questions from A to J:	(30)
A	Chemical Disinfection	5
B	Factors affecting bacterial growth	5
C	Difference between gram positive and gram negative bacteria	5
D	Type I Hypersensitivity	5
E	Types of Culture media. Explain.	5
F	VDRL Test	5
G	Laboratory Diagnosis of Hepatitis B	5
H	Immunoglobulin's	5
I	Methods of sterilization	5
J	Staphylococcus aureus	5

