

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2017

Subject Name: MICROBIOLOGY

Subject Code: 4NS01MIC1

Branch: B.Sc. (Nursing)

Year: 1st

Date: 19/02/2018

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.

Q-1	Attempt the following questions:	(15)
	a) Study of fungi is known as _____	1
	b) Penicillin was discovered by _____	1
	c) The term 'microbiology' was coined by _____	1
	d) Arrangement of microbes in a pairs is called as _____	1
	e) Classification of bacteria without cell wall is called as _____	1
	f) Bacteria multiply by the process of _____	1
	g) Bacteria with flagellum all over the body is called as _____	1
	h) Ziehl-Neelsen staining is otherwise known as _____	1
	i) High resistant dormant state of bacteria is called as _____	1
	j) Process of colouring of microorganism with dye to make some structure more visible is called as _____	1
	k) The chemical disinfectant used in drinking water is _____	1
	l) Vaccines developed by technique genetic engineering is called _____	1
	m) Diseases transmitted from animal to man is called _____	1
	n) _____ is the most common medium used for cultivation of bacteria in laboratory	1
	o) Malaria is caused by _____ organism	1

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

Q-2	Attempt all questions	(15)
	A Define microbiology	2
	B Explain the Koch's Postulates	6
	C Importance and Scope of microbiology in nursing	7
Q-3	Attempt all questions	(15)
	A Draw a neat diagram of bacteria.	5
	B Explain the structure of bacteria.	7



C	Explain the different size and forms of bacteria.	3
Q-4	Attempt all questions	(15)
A	Define Biomedical Waste Management	2
B	What are the components of Biomedical Waste?	5
C	Explain the various methods of Biomedical Waste Management	8
Q-5	Attempt all questions	(15)
A	Define Sterilization.	2
B	Explain the classification of sterilization	8
C	Describe about the application of sterilization in hospitals	5
Q-6	Write short notes on any six questions from A to J:	(30)
A	Antibiotics And Their Mode Of Action	5
B	Sources and transmission of infection	5
C	Pasteurization	5
D	Difference between gram positive and gram negative bacteria	5
E	Gram Staining	5
F	Flagellum	5
G	Difference between Medical & Surgical Asepsis	5
H	Bacterial growth curve	5
I	Hypersensitivity	5
J	Cornybacterium Diphtheria	5

