

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Microbiology

Subject Code : 4NS01MIC1

Year : 1 Date : 25/03/2019

Branch: B.Sc. (Nursing)

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.

Q-1 Attempt the following questions: (15)

- a) Study of fungi is known as 1
(a) Mycology (b) Parasitology (c) Virology (d) Bacteriology.
- b) Which of the following is a smallest bacterium? 1
(a) N. Gonorrhoea (b) Mycobacterium Tuberculosis (c) Mycoplasma (d) Vibrio Cholerae.
- c) The flash & holder methods are used in process of 1
(a) Immunization (b) Disinfection (c) Pasteurization (d) Waste management
- d) Mumps is an inflammatory disease of 1
(a) Parotid glands (b) Pancreas (c) Liver (d) GI tract.
- e) Immunoglobulin found in allergic condition is (a) Ig A (b) Ig D (c) Ig E (d) Ig G 1
- Answer in one word:**
- f) Name the person who proved germ theory of disease. 1
- g) Name the person who performed swan-neck experiment. 1
- h) Name the organ which helps in locomotion in bacteria. 1
- i) Name the mordant which is used in germ staining. 1
- j) Which solution is used to preserve tissue specimen in histopathological examination? 1
- k) Name the process of burning to ashes. 1
- l) Write the full form of VDRL 1
- m) Which disease is also called as "Black death"? 1
- n) Name the mosquito that transmits dengue. 1
- o) Name the method of reproduction in yeasts 1

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

Q-2 (15)
What are the various physical factors affecting the growth of bacteria?

Q-3 (15)
Write in detail about portal of entry and exit of microorganisms.



Q-4	Explain in detail about different types of immunity.	(15)
Q-5	Explain in detail about pathogenicity, clinical features, transmission and prevention of AIDS.	(15)
Q-6	Attempt any six questions from A to J:	(30)
A	Difference between immediate and delayed hypersensitivity.	5
B	Immunization schedule.	5
C	Vibrio cholera.	5
D	Types of hepatitis.	5
E	Standard safety measures.	5
F	Methods of sterilization.	5
G	Growth curve of bacteria.	5
H	Ziehl-Neelsen staining	5
I	Scope of microbiology in Nursing	5
J	Bacterial cell wall	5

