

B.Sc.(N) [Post Basic (1st Year)]

BF/2014/08

Microbiology

[New Scheme-w.e.f. 2007 admission]

Time : 3 Hours

Max Marks : 75

Note: Attempt all questions.x

1A. Give one word answer of the following: [1x10=10]

- i. Hypersensitivity Phenomenon was discovered by _____.
- ii. Passive Immunity is obtained by injecting _____.
- iii. When the cells are involved by a virus, they produce an antiviral protein called _____.
- iv. An antibody produced in response to and capable of neutralizing a specific of biological origin is called _____.
- v. The branch of medical science that deals with the structure and function of immune system is known as _____.
- vi. An organism that transports a pathogen from one person to another person is called _____.
- vii. An organism which takes its food from another organism without giving anything in return is called as _____.
- viii. The total genetic material of an organism is known as _____.
- ix. The objects contaminate with pathogenic microorganism are known as _____.
- x. A chemical that used to kill bacteria is known as _____.

1B. Pick up the most appropriate answer : [1x5=5]

- i. Mantoux test is used to detect :

(a) Leprosy	(b) T.B.	(c) Syphilis	(d) Tetanus
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- ii. T lymphocytes are involved in :

(a) A moral or antibody mediated immunity.	(b) Cellular or cell mediated immunity.
(c) Both of these	(d) They do not produce immunity
- iii. If a person shows production of interferon's in his body, the possibility is that he has got an infection of :

(a) Tetanus	(b) Typhoid	(c) Measles	(d) Malaria
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- iv. Trench fever is caused by:

(a) Bartonella Quintana	(b) Coxiella Burnetii
(c) Rickettsia Rickettsii	(d) Rickettsia Conorii
- v. Causative agent of syphilis is :

(a) Troponema Pertenua	(b) T. Pallidium
(c) O – leptospira	(d) N. Gonorrhoea.

2.

(a) Define Sterilization and Disinfection.	[2]
(b) Methods of Sterilization.	[3]
(c) Culture Media and Method.	[4]
(d) Explain Antibiotic Sensitivity Test.	[6]

3. (a) Define the following terms :

i. Immunity.	[1]
ii. Vaccine.	[1]

 (b) Describe the classification of Immunity. [8]

4.

(a) Define Hypersensitivity.	[1]
(b) Classification of Hypersensitivity.	[3]
(c) Discuss in brief about type III Hypersensitivity	[6]

5. Write Short Notes on any FIVE of the following: [5x5=25]

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|------------------------------|---------------------|--------------------------|
| (a) Hanging drop preparation | (b) Immunoglobulins | (c) Bacterial Structure |
| (d) HIV | (e) Hepatitis Virus | (f) Nosocomial infection |
| (g) Tuberculosis | | |