

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

BF/2015/02

Microbiology

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

Time : 3 Hours

Max Marks : 75

Note: Attempt all questions.

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

- i. Method of preparing, fixing and staining the smear is discovered by _____.
- ii. Bacteria adheres to its host by _____.
- iii. The causative organism of tetanus is _____.
- iv. Transportation and storage of vaccines is done through _____.
- v. Measures used by nurses to prevent transmission of infection is called _____.
- vi. _____ is the natural inhabitant of intestines.
- vii. Bacteria move due to presence of _____.
- viii. Another name of leprosy is _____.
- ix. Fungal infection of vagina is caused by _____.
- x. _____ infection transfers from mother to fetal eyes during its passage through birth canal.

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

- i. Urine sample is collected for :

(a) Microscopic Examination	(b) Culture and sensitivity	(c) 24 hours urinary proteins	
(d) All of the above			
- ii. Montoux test is done for diagnosing of :

(a) Gonorrhoea	(b) Tuberculosis	(c) Syphilis	(d) Typhoid
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- iii. A soluble antigen forming antigen-antibody complex that becomes too large to stay in solution is called :

(a) Precipitate	(b) Neutralizer	(c) Agglutinins	(d) Hapten
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- iv. Who developed Rabies and anthrax vaccine :

(a) O.F. Muller	(b) Antony Van Leeuwenhoek
(c) Robert Koch	(d) Louis Pasteur
- v. Saprophytes are organisms which live on :

(a) Another Parasite	(b) Chemical matter	(c) Dead matter	(d) Living matter
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2.

(a) Define hypersensitivity.	[2]
(b) Describe types of hypersensitivity.	[3]
(c) Describe anaphylactic reaction .	[4]
(d) Describe Immunization Schedule.	[6]

3.

(a) Define the following terms :	
i. Opsonins.	[1]
ii. Culture media.	[1]
(b) Describe Rabies.	[8]

4.

(a) Define Disinfection.	[1]
(b) Write distinction between bacteria and protozoa.	[3]
(c) Describe structure of bacterial cell.	[6]

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

- (a) Use and care of microscope
- (b) Nutrition of Microbes
- (c) Hospital infection control measures
- (d) Round worm infestation
- (e) Primary fission
- (f) Passive immunity
- (g) General properties of viruses
