

QP Code: PBN106

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

BF/2018/08

Microbiology

Time : 3 Hours

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

Max Marks : 75

- Note: 1.) *Attempt all questions.*
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*
3.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*

- 1A. **Give one word answer for the following:** [1x10=10]
- i. Asepsis is a technique in preventing _____.
 - ii. Spherical bacteria in clusters are called _____.
 - iii. Cold Staining is also called _____.
 - iv. Bacillus Calmette Guerin (BCG) is used against _____.
 - v. Syphilis is transmitted by _____.
 - vi. Amoebic dysentery is caused by _____.
 - vii. Vector is defined as _____.
 - viii. Immunity is defined as _____.
 - ix. Epidemic is defined as _____.
 - x. Active immunity is the _____.
- 1B. **Pick up the most appropriate answer :** [1x5=5]
- i. Bacteria with filamentous and branched body are called :
(a) Vibrios. (b) Spirilla. (c) Spirochetes. (d) Actinomycetes.
 - ii. When a patient already suffering from an infection acquired another infection from another patient is called:
(a) Chronic infection (b) Cross infection (c) Contagious infection (d) Latent infection
 - iii. Which of the following sample should be incubated at 37°C during storage prior to processing :
(a) Urine sample. (b) Blood & bone marrow. (c) Stool. (d) Sputum.
 - iv. Which of the following disease is not caused by Clostridia :
(a) Tetanus & gas gangrene. (b) Food poisoning & botulism. (c) Typhoid & paratypho:
(d) Necrotizing enteritis and colitis.
 - v. One of the following is a toxoid vaccine :
(a) Typhoid. (b) Influenza. (c) Diphtheria. (d) Hepatitis B.
2. **Describe Briefly :** [5x3=15]
- (a) Moist Heat Sterilization.
 - (b) Collection and transport of Blood Sample.
 - (c) Hyper sensitivity reaction.
3. **Describe structure and classification of :** [10]
- (a) Virus.
4. (a) Define the term Infection. [3]
(b) Describe methods of Transmission of micro organism from one person to another. [7]
5. **Write Short Notes on any FIVE of the following:** [5x5=25]
- (a) Acid Fast Staining.
 - (b) Cold Chain for Transport of Vaccines.
 - (c) Immunization Schedule.
 - (d) Biomedical Waste Management.
 - (e) Water Born Diseases.
 - (f) Dermatophytes.
 - (g) Dengue Fever.
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