

QP Code: PBN106

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

BF/2016/08

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 of the following:** [1x10=10]
- i. Gonorrhoea is caused by _____.
 - ii. Leprosy is caused by _____.
 - iii. Dengue is caused by _____.
 - iv. Tuberculosis is caused by _____.
 - v. Measles flu is caused by _____.
 - vi. Polio is caused by _____.
 - vii. Filariasis is caused by _____.
 - viii. Dracunculus medinensis causes _____.
 - ix. Painful genital ulcers are caused by _____.
 - x. Schistosomiasis is caused by _____.
- 1B. **Pick up the most appropriate answer :** [1x5=5]
- i. When flagella are distributed all round the bacterial cell, the arrangement is known as :
(a) Monotrichous (b) Lophotrichous (c) Amphitrichous (d) Peritrichous
 - ii. Destruction or inhibition of microorganism in living tissue is known as :
(a) Sterilization (b) Disinfection (c) Antisepsis (d) None of the above
 - iii. What is the average incubation period for development of AIDS :
(a) One Year (b) Five Years (c) Ten Years (d) Fifteen Years
 - iv. Which of the following specimens contain/s hepatitis B virus in an infected person :
(a) Semen (b) Blood (c) Saliva (d) All of the above
 - v. Allergic rhinitis is mediated by which class of Immunoglobulin :
(a) IgE (b) IgM (c) IgA (d) IgD
2. (a) Describe the principle and application of ELISA. [2]
(b) Describe the food borne diseases. [3]
(c) Factors predisposing to microbial pathogenicity. [4]
(d) Describe sexually transmitted diseases. [6]
3. (a) **Define the following terms :**
- i. Hypersensitivity. [1]
 - ii. Nosocomial infections. [1]
- (b) Describe AIDS. [8]
4. (a) Culture media. [1]
(b) Hot air oven. [3]
(c) Describe various modes of transmission of infection. [6]
5. **Write Short Notes on any FIVE of the following:** [5x5=25]
- (a) Superficial mycosis
 - (b) Giardiasis
 - (c) Bacterial growth curve
 - (d) Differences between active and passive immunity
 - (e) Disposal of infectious waste
 - (f) Vectors
 - (g) Food poisoning
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