

**QP Code: PBN106**

# B.Sc.(N) [Post Basic (1<sup>st</sup> Year)]

BF/2019/02

## 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. Comma shaped bacteria is \_\_\_\_\_.
- ii. India ink preparation is a type of \_\_\_\_\_ Staining.
- iii. Father of Bacteriology is \_\_\_\_\_.
- iv. Hot air oven is type of \_\_\_\_\_ sterilization.
- v. One example of enrichment medium is \_\_\_\_\_.
- vi. \_\_\_\_\_ antibody is called a millionaire's molecule.
- vii. Typhoid fever is caused by organism \_\_\_\_\_.
- viii. Immunity by vaccination is a type of \_\_\_\_\_ immunity.
- ix. Scrub Typhus is caused by \_\_\_\_\_.
- x. Scientific name of Hookworm is \_\_\_\_\_.

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

- i. Gram positive bacilli, non sporing are :  
 (a) Corynebacterium (b) Bacillus (c) Clostridium (d) Bacteroides
- ii. Standard test for syphilis is :  
 (a) TPHA (b) TPI (c) FTA (d) VDRL
- iii. Vector for Dengue infection is :  
 (a) Anopheles (b) Aedes (c) Culex (d) Mansonella
- iv. H1N1 is :  
 (a) Influenza virus (b) Reo virus (c) Rhino virus (d) Adeno virus
- v. Cryptococcus is a :  
 (a) Yeast (b) Mycelial fungus (c) Yeast like fungus (d) Dimorphic fungus

2. Describe Briefly : [5x3=15]

- (a) Amoebiasis
- (b) Laboratory diagnosis of rabies
- (c) Dermatophytic infection

3. Describe pathogenesis and laboratory diagnosis of tuberculosis : [10]

4. (a) Define Hypersensitivity reaction. [3]

(b) Type III Hypersensitivity [7]

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

- (a) Principal of Gram Staining.
- (b) Staphylococcal Infections
- (c) Polio Virus
- (d) Diagnosis of Enteric Fever
- (e) Incinerator
- (f) Collection and Transport of Urine Samples
- (g) Classification of Viruses