

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

BF/2017/02

## 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]
- The commonest cause of community acquired pneumonia (CAP) is \_\_\_\_\_.
  - Diphtheria is caused by \_\_\_\_\_.
  - Leprosy is caused by \_\_\_\_\_.
  - Cholera is caused by \_\_\_\_\_.
  - The vector for endemic typhus is \_\_\_\_\_.
  - Fungus causing meningitis in AIDS patients is \_\_\_\_\_.
  - Virus linked to cancer of cervix is \_\_\_\_\_.
  - German measles is caused by \_\_\_\_\_.
  - An example of killed vaccine is \_\_\_\_\_.
  - Kalazar is caused by \_\_\_\_\_.
- 1B. **Pick up the most appropriate answer :** [1x5=5]
- The following are Gram- Negative bacilli:  
(a) Neisseria Sp. (b) Streptococcus Sp. (c) Escherichia Coli (d) Lactobacillus Sp.
  - The following is an enriched medium :  
(a) Nutrient Agar (b) Chocolate Agar (c) Macconkeys Agar (d) Stuarts Medium
  - Gram Stain is a type of following stain :  
(a) Simple Stain (b) Negative Stain (c) Differential Stain (d) Impregnation Stain
  - The recommended method for sterilization of culture media is:  
(a) Hot air oven (b) Autoclave (c) Chemicals (d) Filtration
  - The following scientist is known as the Father of Microbiology:  
(a) Louis Pasteur (b) Robert Koch (c) Joseph Lister (d) Alexander Fleming
2. Regarding mosquito- borne diseases :
- Enumerate the diseases. [6]
  - Describe method of diagnosis of any one. [6]
  - Prevention. [3]
3. (a) **Define the following terms :**
- Disinfection. [2]
  - Vaccine. [2]
- (b) Describe briefly about the control of hospital- acquired infections. [6]
4. (a) Describe the method of collection and transport of blood samples for bacterial culture. [5]
- (b) Culture media for mycobacterium tuberculosis. [5]
5. **Write Short Notes on any FIVE of the following:** [5x5=25]
- Laboratory diagnosis of Acute bacterial meningitis.
  - Laboratory diagnosis of Kalazar.
  - Standard Precautions.
  - Precipitation Test.
  - Bacterial Nutrition.
  - Acquired Immunity.
  - Candidiasis.