

**B.Sc.(N) [1<sup>st</sup> Year]**

BF/2020/11

**Microbiology**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

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

1. (i) (a) Make labeled diagram of a Bacterium. [3]  
(b) Name three (each) examples of the Gram-positive and Gram-negative Bacteria. [5]  
(c) Short note on the Bacterial cell- wall. [7]

**OR**

- (ii) (a) Define Immunity. [4]  
(b) Classify Immunity. [5]  
(c) Describe briefly about Acquired immunity. [6]

2. **Write in brief:**

- (a) Hot air oven [5]  
(b) Enriched media [5]  
(c) Staphylococcus [5]

3. **Write in brief :**

- (a) Ascariasis [5]  
(b) Laboratory diagnosis of Kalaazar [5]

4. **Write in brief:**

- (a) Hepatitis virus [5]  
(b) COVID- 19 [5]

5. **Write Short Notes on any FIVE :**

[5x5=25]

- (a) Robert Koch  
(b) ELISA  
(c) Bacillary dysentery  
(d) Tinea infection  
(e) Cryptococcus  
(f) Collection of blood Sample  
(g) OPV