

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

BF/2021/06

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) Define the Generation time. [3]
(b) Describe the Bacterial growth curve. [5]
(c) Write about factors affecting growth of Bacteria. [7]

OR

- (ii) (a) Define Antibody. [4]
(b) Classify Antibodies. [5]
(c) Describe briefly about IgG. [6]

2. **Write in brief:**

- (a) Autoclave [5]
(b) Laboratory diagnosis of Enteric fever [5]
(c) Laboratory diagnosis of UTI [5]

3. **Write in brief :**

- (a) *Entamoeba histolytica* [5]
(b) Hook worm [5]

4. **Write in brief:**

- (a) Herpes simplex virus [5]
(b) HIV [5]

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

[5x5=25]

- (a) Koch postulates
(b) Diphtheria
(c) Classical complement pathway
(d) Laboratory diagnosis of Diarrhoea
(e) Sporotrichosis
(f) Mucormycosis
(g) DPT vaccine