

QP Code: BNN107

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

BF/2018/08

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 O.P. Code in the space provided on the Title Page of the Answer Book.**

1. (i) (a) Classify Bacteria. [3]
(b) What is Bacterial Growth Curve ? [5]
(c) What are the various types of media used in laboratory to grow Bacteria ? [7]

OR

- (ii) (a) Name various Spiral Organisms. [3]
(b) Write in short about pathogenicity of *Treponema Pallidum*. [5]
(c) How do you diagnose a case of Syphilis ? [7]

2. Write in detail:
(a) Mycelial Fungal Infections. [8]
(b) Virulence factors of *Staphylococcus aureus*. [7]

3. Write about :
(a) Amoebic Dysentery. [6]
(b) Taeniasis. [4]

4. Write in detail:
(a) Diagnosis of HIV Infection. [5]
(b) Gonorrhoea. [5]

5. **Write Short Notes on any FIVE :** [5x5=25]
(a) Bacterial Capsule.
(b) Scrub Typhus.
(c) Vancomycin.
(d) Hydatid Cyst.
(e) Antibodies.
(f) Various Modes of Transmission of Infection.
(g) Shigella Dysentery.