



B-020109

Seat No. _____

First Year Post Basic B. Sc. (Nursing) Examination

March – 2021

Microbiology

Time : **3 Hours**]

[Total Marks : **75**

SECTION - I (38 Marks)

- 1 Long essay : (any two) 2×10=20**
- (1) Define hypersensitivity. Classify hypersensitivity 2+2+6=10
and discuss in detail about type I hypersensitivity.
- (2) Describe the pathogenesis and laboratory 4+6=10
diagnosis of Mycobacterium tuberculosis.
- (3) Define sterilization. List out the methods of 2+2+6=10
sterilization and write the role of Nurse before,
during and after sterilization.
- 2 Short essay : (any three) 3×5=15**
- (1) Immunity.
- (2) Candida albicans.
- (3) Role of a nurse in Biomedical Waste Management.
- (4) Genomic structure & pathogenesis of HIV.
- 3 Very short essay : (any one) 1×3=3**
- (1) Modes of transmission of infection.
- (2) Culture media with example.

SECTION - II (37 Marks)

- 4 Long essay type : (any one) **1×10=10**
- (1) Write in detail about Hospital acquired infections **2+8=10**
and methods to prevent Hospital acquired infections.
- (2) Describe the Morphology & Life cycle of *Entamoeba histolytica* **4+6=10**
- 5 Write notes on : (Any Three) **3×5=15**
- (1) Principles of microbiology.
- (2) Food borne intoxication.
- (3) Antibiotic.
- (4) Laboratory diagnosis of *Vibrio cholera*.
- (5) Tetanus.
- 6 Short answers on : (All are *compulsory*) **6×2=12**
- (1) Types of immunoglobulin.
- (2) ELISA test.
- (3) Phagocytosis.
- (4) Gram staining.
- (5) Parasite.
- (6) Mesophilic Bacteria.
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