



**PAG-21265**

Seat No. \_\_\_\_\_

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

**August - 2018**

**Microbiology**

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Figures on right indicate full marks.  
(2) Draw neat and clean diagram wherever necessary.  
(3) Write section I and section II in separate answer books.

**SECTION - I (38 Marks)**

- 1 Long essays : (Any One) **15**
- (a) Define the hospital acquired infection. **2**
  - (b) List out the common infections in hospital **4**
  - (c) Explain the role of nurse in infection control policy in hospital. **9**
- OR**
- (a) Define the immunity. **2**
  - (b) Explain the various types of immunity. **6**
  - (c) Write the immunization schedule. **7**
- 2 Write short notes on following : (Any Three) **5×3=15**
- (a) Hypersensitivity
  - (b) Immunoglobulin
  - (c) Streptococci
  - (d) HIV
  - (e) Tuberculin test
- 3 Write briefly answers of following : (Any Four) **4×2=8**
- (a) Bactericidal
  - (b) CSSD
  - (c) Gram staining
  - (d) VIDAL test
  - (e) Cold chain
  - (f) Incubation period

## SECTION - II (37 Marks)

- 4 Long essays : (Any One) 10
- (a) Define sterilization. 2
  - (b) Explain the various methods of sterilization. 8
- OR**
- (a) Define infection. 2
  - (b) Explain infection cycle. 8
- 5 Write short notes on following : (Any Three) 5×3=15
- (a) Role of Nurse in Bio-Medical Waste Management
  - (b) Cultural media
  - (c) Importance of microbiology in nursing
  - (d) Life cycle of Entamoeba histolytica
  - (e) Handling urine specimen
- 6 Write briefly answers of following : (All Compulsory) 6×2=12
- (a) Antigen-antibody reaction
  - (b) Bacteriostatic
  - (c) Candidacies
  - (d) Hay fever
  - (e) Fermentation
  - (f) Pasteurization
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