



HAY-020109

Seat No. _____

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

July - 2017

Microbiology

Time : **3** Hours]

[Total Marks : **75**

SECTION - I (38 Marks)

- 1** Long essay : (any two) **2×10=20**
1. Describe the clinical features of Filariasis. **2+8=10**
Write in detail about the life cycle of Wuchereria bancrofti.
 2. Write in detail about Hospital acquired infections and methods to prevent Hospital acquired infections.
 3. A) Define sterilization. **1**
B) List the methods of sterilization. **3**
C) Write the role of Nurse before, during and after sterilization. **6**
- 2** Short essay : (any three) **3×05=15**
1. Innate immunity
 2. Phagocytosis
 3. Hypersensitivity.
 4. Differences between virus and bacteria.
 5. Role of a nurse in Biomedical Waste Management.
- 3** Very short essay : (any one) **1×3=3**
1. What are the modes of transmission of HIV?
 2. Mantoux test.

SECTION - II (37 Marks)

- 4** Long essay : (any **one**) **1×10=10**
- a) What do you mean by Staining ? **1**
 - b) List out the names of various types of staining techniques. **4**

- c) Describe briefly the procedure of Gram's Staining or Acid Fast Staining. **5**

OR

- 4** Explain mode of transmission, laboratory diagnosis and treatment of Pulmonary tuberculosis and Write down the role of a nurse in prevention of Pulmonary Tuberculosis. **10**
- 5** Short essay : (any **three**) **3×5=15**
1. Principle of microbiology.
 2. 'Food born diseases.
 3. Difference between Exotoxins and Endotoxins.
 4. ELISA and its uses.
 5. Bacterial growth curve.
- 6** Very short essay : **6×2=12**
1. List out the Pathogenic Gram positive bacilli.
 2. BCG Vaccine.
 3. Serological tests for syphilis.
 4. Give two examples of live vaccines and their route of administration
 5. Name two diseases transmitted by blood and blood products
 6. Name two spore forming bacteria.