



MO-020109

Seat No. _____

First Year Post Basic B. Sc. (Nursing)

Examination

July - 2016

Microbiology

Time : 3 Hours]

[Total Marks : 75

Instructions :

- (1) Figure on right side indicate Full Marks of the Question.
- (2) Draw Neat and Clean Diagram wherever it is necessary.
- (3) Write down Each Section in a SEPARATE ANSWER SHEET.

SECTION - I (38 Marks)

- 1 Write Notes in Brief on any **TWO** : **2×10=20**
 - (a) Enumerates the various methods of Sterilization by Physical Agents and describe the Moist Heat Sterilization.
 - (b) Biomedical Waste Management
 - (c) What is Immunization?
Describe different types of Immunization with its examples.

- 2 Write Short notes on any **THREE** : **3×5=15**
 - (a) Type IV Hypersensitivity Reaction.
 - (b) Bacterial Spore.
 - (c) Laboratory diagnosis of Salmonella typhi.
 - (d) Universal safety precautions.

- 3 Write Answers in 2-3 Sentences Only : (Any **ONE**) **1×3=3**
 - (a) Give three differences between Endotoxin and Exotoxins.
 - (b) Write down name of three transport medias and its uses.

SECTION - II (37 Marks)

- 4** Write Notes in Brief on any **ONE** : **1×10=10**
- (a) Describe the structure, modes of transmission, laboratory diagnosis and Prophylaxis of HIV.
 - (b) Laboratory diagnosis of *Leishmania donovani*.
- 5** Write Short notes on any **THREE** : **3×5=15**
- (a) Standard Test for Syphilis.
 - (b) Dermatophytosis.
 - (c) Hydatid Cyst.
 - (d) Immuno-prophylaxis of Rabies.
- 6** Write Answers in 2-3 Sentences Only : (ALL) **6×2=12**
- (a) Name of the four different type of methods that are used for "Anaerobiosis".
 - (b) Name of the definitive host and intermediate host for *Plasmodium falciparum*.
 - (c) Name of four fungi that are causes Opportunistic Mycosis.
 - (d) Name of all Immunological markers for Hepatitis B virus infection.
 - (e) Name of all different types of methods used for culture of viruses.
 - (f) What are dimorphic fungi ? Give two examples of it.
-