



R-21265 Seat No. _____
First Year Basic B. Sc. (Nursing) Examination
February - 2019
Microbiology

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Section-I and Section-II is compulsory.
(2) Draw diagram neatly, wherever necessary.

SECTION - I

- 1** LONG ESSAY (Answer any ONE) **1×15=15**
(a) Define sterilization. Explain types of Sterilization methods.
Write method of Dry heat sterilization in detail.
(b) Classify Biomedical wastes. Write methods of segregation,
treatment and disposal of Biomedical wastes.
- 2** Short ESSAY : (Answer any THREE) : **3×5=15**
(a) Active immunity
(b) Nosocomial infection
(c) Bacterial spores
(d) Classification of Fungi
(e) Virus cultivation.
- 3** Short answers : (answer any four) **4×2=8**
(a) What is S.T.D. Give two examples of bacteria S.T.D.
(b) BCG
(c) What are selective media ? Give two examples
(d) Define biological vectors and give two examples.
(e) Definitive host
(f) Name four opportunistic fungal infections.

SECTION - II (Marks-37)

- 4 Long Essay : (Answer any One) **1×10=10**
- (a) Define Hypersensitivity reaction. Discuss in brief about the types of Hypersensitivity reactions. Describe Hypersensitivity skin test.
 - (b) Name the different species of malarial parasites. Describe the life cycle, clinical features, laboratory diagnosis plasmodium falciparum malaria.
- 5 Short Essay : (Answer any three) **3×5=15**
- (a) National immunization schedule
 - (b) Different type of Morphology and Arrangement of Bacteria.
 - (c) Gram staining.
 - (d) Role of a Nurse in collection of Samples.
 - (e) Antigen Antibody Reactions.
- 6 Short answers (answer all) **2×6=12**
- (a) Safe injection practices
 - (b) T cells
 - (c) Contact precaution
 - (d) Bacterial flagella
 - (e) Passive immunity
 - (f) Name 2 Acid Fast bacteria.
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