



NF-020109

Seat No. _____

First Year Post Basic B. Sc. (Nursing) Examination
January - 2017
Microbiology

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) No. to the right side indicates marks.
(2) Write answers to the point
(3) Attempt part of a question at one place.
(4) Draw diagram wherever it's necessary.

SECTION - I

- 1 Long Essay : (any two) 2×10=20**
- (1) Define and Classify antibodies. Explain different antigen -antibody Reaction. **10**
- (2) Describe morphology, cultural characteristics and laboratory diagnosis of clostridium tetani. **10**
- (3) Define Sterilization and explain in detail about methods of Sterilization. **10**
- 2 Short Essay : (Any 3 out of 5)**
- (1) HIV
- (2) Mycobacterium tuberculosis
- (3) Bacterial growth curve
- (4) Hypersensitivity
- (5) Culture media
- 3 Short Answers : (Any 4 out of 6) 4×2=8**
- (1) Zeihl Neilsen's staining
- (2) Give four names of gram negative bacteria
- (3) Pasteurization
- (4) Chemotherapy
- (5) ETO
- (6) CFT

SECTION - II

- 1 Long Essay : (any 1 out of 2) 1×10=10**
- (1) (a) Define HIV? 2
 - (b) Describe structure, clinical features and lab diagnosis of HIV. 8
 - (2) (a) Define bio-medical waste. 2
 - (b) Explain about classification and methods of disposal of different categories of biomedical waste. 8
- 2 Short Essay : (any 3 out of 5) 3×5=15**
- (1) Principles of microbiology
 - (2) Bacterial nutrition
 - (3) Morphology, and laboratory diagnosis of haemophilus influenza.
 - (4) Immunity
 - (5) Tetanus
- 3 Short Answers : (Compulsory) 6×2=12**
- (1) Complement system
 - (2) Ameobiasis
 - (3) Montoux test
 - (4) Cell mediated immune response
 - (5) ELISA test
 - (6) Types of immunoglobulin.
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