



BCJ-21265

First Year B. Sc. (Basic) Nursing Examination

January – 2016

Microbiology

Time : 3 Hours]

[Total Marks : 75

SECTION - I (38 Marks)

- 1** Long essay : (any one out of two) **1×15=15**
- (1) Define bacterial growth. Enlist the requirements of bacterial growth. Add notes on bacterial growth curve.
 - (2) (a) Define Sterilization **2**
(b) Methods of Sterilization **3**
(c) Explain Autoclave. **10**
- 2** Write short notes on following : **3×5=15**
(any three out of five)
- (a) Biomedical Waste Management Cycle
 - (b) Normal Microbial flora of the Human body
 - (c) Nosocomial infection
 - (d) Source and transmission of infection
 - (e) Widal test.
- 3** Briefly answer the following : (any four out of six) **4×2=8**
- (a) Modes of transmission of HIV infection
 - (b) Asepsis
 - (c) Culture media
 - (d) Tuberculin test
 - (e) Enteric fever
 - (f) Antigen.

SECTION - II (37 Marks)

- 4 Long essay : (any one out of two) **1×10=10**
- (1) Write in detail about standard safety measures and mention the role of nurse.
 - (2) Define Immunity and explain the types of immunity.
- 5 Write short notes on following : **3×5=15**
(any three out of five)
- (a) Immunization schedule
 - (b) Methods of sample collection
 - (c) Life cycle of malarial parasite
 - (d) Acid-Fast stain
 - (e) ELISA test.
- 6 Briefly answer the following : (Compulsory) **6×2=12**
- (1) Difference between Hepatitis A and Hepatitis B
 - (2) Colonization
 - (3) List down the gram positive and gram negative bacterias
 - (4) Thrush
 - (5) Antibody
 - (6) Aerobes.
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