

First Year B.Sc. (Nursing) Examination
Microbiology

Date : 04-09-2017, Monday]
[Time : 3 Hours

[Max. Marks : 75

- Instructions :
- (1) Answer to the point
 - (2) Figure to the right indicates marks.
 - (3) Draw diagrams wherever necessary
 - (4) Write legibly
 - (5) Use separate answer books for each section

SECTION-I (38 marks)

Q-1 what is microbiology? Discuss its role in nursing. Briefly describe branches of microbiology as applied to hospital practice. (12)

Or

Q-1 What Precautions Should be taken in specimen collection for isolation and identification of pathogens? Describe methods of collection of different specimens. (12)

Q-2 Write down the following short notes. (Any four) (5X4=20)

1. Structure of bacterial cell.
2. Gram staining.
3. Methods of transmission of infection.
4. Laboratory diagnosis of Mycobacterium tuberculosis.
5. Antibodies- Immunoglobulin.

Q-3 Contribution of Louis Pasteur in field of microbiology (6)

SECTION-II (37 marks)

Q-4 Define immunity. Classify the immunity. (12)

Q-5 Write down the following short notes. (Any four) (5X4=20)

1. Culture media
2. Describe symptoms, prevention, treatment and diagnosis of cholera.
3. Principles of microbiology
4. Methods of sterilization
5. Rodents.

Q-6 Describe the cold chain (5)