

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)

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F.Y. B.Sc. (Nursing) Examination
Microbiology

[Max. Marks : 75]



Date : 05-02-2016 Friday

Time : 3 Hours

- 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

- Q.1 A) Write the classification of bacteria
B) Explain the structure of bacteria with diagram

3

4

5x5 = 25

- Q.2) Write Short Notes on any 5

1. Principles of Microbiology
2. Robert Koch
3. CSSD
4. Method of transmission of infection
5. ZN staining method
6. Antigen Antibody reaction

5

- Q.3) Define any 5

- | | |
|--------------------------------|------------|
| 1. Hospital Acquired Infection | 4. Vaccine |
| 2. Biomedical Waste Management | 5. Fomites |
| 3. Bactericidal | 6. Antigen |

Section II

5x5 = 25

- Q.4) Write Short Notes on any 5

1. Chemotherapy
2. Iatrogenic Infections
3. Role of nurse in collection and transport of specimen
4. Escherichia Coli
5. Culture Media
6. Standard Safety Measures

- Q.5) Write the point of difference between the following (any 2)

2x2=4

1. Sterilization and Disinfection
2. Healthy carrier and convalescent carrier
3. Mechanical vector and Biological vector

- Q.6 A) Define Immunity

1

- B) Classify Immunity

3

- C) Explain factors that affect immunity in an individual

5

First Year B.Sc. (Nursing) Examination
Microbiology

[Max. Marks : 75]

Date : 07-09-2018, Friday]

[Time : 3 Hours

- Instructions : (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.
(4) Use Separate answer books for each section.

SECTION-I (38 Marks)

(12)

Q.1 Define and classify hypersensitivity. Explain type I hypersensitivity
OR

Q.1 Define Sterilization. Classify the various methods of sterilization. Discuss in detail methods of moist heat sterilization
(12)
(5X4=20)

Q.2 Write short notes on any four of the following.

- 1) Modes of transmission of infection.
- 2) Standard safety measures
- 3) Bio medical waste management
- 4) Passive Immunity
- 5) Bacterial staining techniques

(6)

Q.3 Describe Morphology and Pathogenesis of vibrio cholera

SECTION-II (37 Marks)

Q.4 Describe the pathogenesis, laboratory diagnosis and prophylaxis of tetanus.
(12)

Q.5 Write short notes on any four of the following.
(5X4=20)

- 1) Microfilaria
- 2) Pasteurization
- 3) Hot air oven
- 4) Methods of collection of specimens
- 5) Bacillary dysentery

Q.6 Describe the various sources, routes of transmission and common types of hospital acquired infections(HAI)
(5)