

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)