



JCU-21265

Seat No. _____

First Year Basic B. Sc. (Nursing) Examination

February - 2020

Microbiology

Time : 3 Hours]

[Total Marks : 75

SECTION - I (38 Marks)

1 Long essay type : 1×15=15

- (1) Describe the morphology, staining, pathogenesis and lab diagnosis of Mycobacterium tuberculosis.

OR

- (1) Define Sterilisation. List the methods of Sterilisation.
Write in detail about moist heat sterilization.

2 Write short notes on following : (any three) 3×5=15

- (1) Selective media
(2) Pasteurization
(3) Anaphylaxis
(4) Ig M antibody

3 Write short answer on following : (any four) 2×4=8

- (1) Carrier
(2) BCG vaccine
(3) Antigen
(4) Name two bacteria which cause diarrhea.
(5) Normal flora

SECTION - II (37 Marks)

4 Long essay type : 1×10=10

- (1) Define immunity. Explain in detail about types of immunity.

OR

- (1) Classify bacteria and briefly discuss about the factors affecting bacterial growth.

5 Write short notes on : (any three) 3×5=15

- (1) Gram staining
- (2) VDRL test
- (3) Hospital acquired infections
- (4) Rh Incompatibility

6 Write short answer on following : (All are compulsory) 2×6=12

- (1) Give two examples of live vaccine.
- (2) Widal test
- (3) Name four viruses which are transmitted by blood.
- (4) Give the color coding for disposal of Biomedical wastes in hospital.
- (5) ELISA
- (6) Mention four Modes of transmission of infection.