



**First BASIC B.Sc. Nursing Examination, Summer  
(Phase - III : All other Remaining UG/PG Courses) - 2020  
MICROBIOLOGY**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

**SECTION - A & SECTION - B**

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for all sections.

**SECTION - A (40Marks)**

1. Short answer question (**any five** out of six): [5 × 5 = 25]
  - a) Write a note on candidiasis.
  - b) Management of Bio-medical waste.
  - c) Ziehl-Neelsen Staining and its modifications.
  - d) Write a note on bacterial cell wall.
  - e) Write contributions of Robert Koch.
  - f) Classify vaccines with examples and write differences between them.
  
2. Long answer question (**any one** out of two): [1 × 15 = 15]
  - a) Write morphology, pathogenicity and laboratory diagnosis of Mycobacterium tuberculosis.
  - b) Write morphology, transmission, pathogenicity and laboratory diagnosis of Hepatitis B virus.



## SECTION - B (35 Marks)

3. Short answer question (any four out of five):

[4 × 5 = 20]

- Write a note on Hypersensitivity Type-I.
- Write a note on blood culture.
- Write role of nurses in infection control.
- Write life cycle of *Ancylostoma duodenale*.
- Define and classify Antibodies with reference to immunity.

4. Long answer question (any one out of two):

[1 × 15 = 15]

- Define sterilization and Disinfection. Describe in detail about moist heat sterilization.
- Write morphology, pathogenicity and laboratory diagnosis of *Treponema pallidum*.



SECTION - A (40 Marks)

[5 × 2 = 10]

1. Short answer question (any five out of six):

- Write a note on candidiasis.
- Management of Bio-medical waste.
- Ziehl-Neelsen Staining and its modifications.
- Write a note on bacterial cell wall.
- Write contributions of Robert Koch.
- Classify vaccines with examples and write differences between them.

[1 × 15 = 15]

2. Long answer question (any one out of two):

- Write morphology, pathogenicity and laboratory diagnosis of *Mycobacterium tuberculosis*.
- Write morphology, transmission, pathogenicity and laboratory diagnosis of Hepatitis B virus.