

**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*.

