

**First BASIC B.Sc. Nursing Examination, Winter (Phase-III ALL other remaining UG/PG Course) - 2019**

**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 answerbook for all sections.**

**SECTION - "A" (40 Marks)**

1. Short answer questions (any five out of six): [5 × 5 = 25]
  - a) Write a short note on Morphology of Bacteria
  - b) Write a short note on chemical methods of sterilization
  - c) Write a short note on bacterial growth curve.
  - d) Write a short note on sample collection for urine routine and culture.
  - e) Differentiate between Active and Passive immunity.
  - f) Write a short note on ELISA.
  
2. Long answer questions (any one out of two): [1 × 15 = 15]
  - a) Write a note on Bio-medical Waste Management.
  - b) Write a note on Hospital Infection Control Programme. Mention the role of Nurse in Hospital Infection Control.

**SECTION "B" (35 Marks)**

3. Short answer questions (any four out of five): [4 × 5 = 20]
- a) Write a short note on source of hospital acquired infection.
  - b) Describe Laboratory diagnosis of Tuberculosis.
  - c) Write a note on culture media.
  - d) Write a note on Immunity.
  - e) Describe Koch's Postulates.
4. Long answer questions (any one out of two): [1 × 15 = 15]
- a) Write a note on Growth requirements of bacteria. Describe the effect of Temperature and Moisture on growth of bacteria.
  - b) Describe the steps of Laboratory diagnosis of salmonella typhi.

