

**First Basic B.Sc. Nursing Examination, Winter 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 answerbook for all sections.**

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

1. Short answer question (any five out of six) : [5 × 5 = 25]
- a) Widal test.
  - b) Life cycle of *Ancylostoma duodenale* (Hook worm).
  - c) Candidiasis.
  - d) Biomedical waste management.
  - e) Gram stain.
  - f) Contribution of Louis Pasteur to Microbiology.

2. Long answer question (any one out of two) : [1 × 15 = 15]
- a) Define and classify immunity. Write a short note on National Immunization schedule.
  - b) Enumerate organisms causing urinary tract infection. Write lab diagnosis of urinary tract infection. Write on prevention of Nosocomial urinary tract infection.

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

3. Short answer question (any four out of five) : [4 × 5 = 20]
- a) Bacterial growth curve.
  - b) Standard safety precautions.
  - c) Cold chain.
  - d) Characteristics of an ideal disinfectant.
  - e) Pathogenicity of Staphylococcus aureus.
4. Long answer question (any one out of two) : [1 × 15 = 15]
- a) Define Nosocomial infections. Classify nosocomial infections. Write on methods to prevent Nosocomial respiratory tract infections and bacteremias. Write in short Role of a infection control Nurse.
  - b) Define culture Medias. Classify Culture medias with example. Write in short on methods of Culture.

