



First Basic B.Sc. Nursing Examination, Summer (Phase - II) 2019
MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 75

- 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 (40 Marks)

1. Short answer question (**any five** out of six) : [5 × 5 = 25]
 - a) Laboratory diagnosis of urinary tract infection.
 - b) Importance of Microbiology for nurses.
 - c) Cold chain.
 - d) Grams Staining.
 - e) Standard safety precautions.
 - f) Contribution of Louis Pasteur.

2. Long answer question (**any one** out of two) : [1 × 15 = 15]
 - a) Define Sterilization and Disinfection. Classify methods of Sterilization. Write about principles, structure, functioning and uses of Autoclave.
 - b) Define immunity. Write difference between live vaccine and killed vaccine, write short note on Anaphylaxis.

SECTION - B (35 Marks)

3. Short answer question (**any four** out of five): [4 × 5 = 20]
- a) Write short note on Dermatophytes.
 - b) Biomedical waste management.
 - c) Widal test.
 - d) Pathogenesis of Staphylococcus aureus.
 - e) Characteristics of ideal Disinfectant.
4. Long answer question (**any one** out of two): [1 × 15 = 15]
- a) Describe chain of infection. Write factors influencing infection. Write the methods of prevention of infection.
 - b) Describe opportunistic infection in HIV. Write modes of transmission and laboratory diagnosis of HIV.

