

First Basic B.Sc. (Nursing) Examination, Summer - 2024
Phase - II
MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 75

- Instructions :**
- 1) Use **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 contributions of Louis Pasteur
 - b) Write a note on Hospital Infection
 - c) Write life cycle of Malarial Parasites.
 - d) Write a note on Blood culture.
 - e) Draw a neat well labelled diagram of HIV
 - f) Write a note on ZN staining

2. **Long Answer Question (any one out of two) :** **[1 × 15 = 15]**
 - a) Define Sterilisation & Disinfection. Describe in detail about sterilisation by moist heat.
 - b) Draw neat well labelled diagram of Hepatitis B Virus. Write its morphology, pathogenicity & laboratory diagnosis.

SECTION - B (35 Marks)**3. Short Answer Questions (any four out of five) :****[4 × 5 = 20]**

- a) Write a note on bacterial cell wall.
- b) Define carriers. Mention different types of carriers with examples.
- c) Type I Hypersensitivity reaction
- d) Write life cycle of *Ascaris lumbricoids*
- e) Name three DNA & three RNA viruses.

4. Long Answer Question (any one out of two) :**[1 × 15 = 15]**

- a) Write morphology, pathogenicity & Laboratory diagnosis of *Mycobacterium tuberculosis*.
- b) Write morphology, pathogenicity & Laboratory diagnosis of *Treponema pallidum*.



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