

Third Semester B.Sc. Nursing Examination, (Phase - III) Winter - 2023  
**APPLIED MICROBIOLOGY AND INFECTION CONTROL  
INCLUDING SAFETY**

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks :62

**SECTION - B & SECTION-C**

- 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 section B & C.

**SECTION-B**

**(Applied Microbiology)**

2. **Essay** **[1×10=10]**  
Define Immunity, describe in detail the different level of immunity among the living Organisms. Write down the types & Classification of Immunity in details.
3. **Short Notes:** **[3×5=15]**
  - a) Define Hypersensitivity and describe the anaphylactic type.
  - b) Describe in brief about Widal Test.
  - c) Write down the Nursing intervention in vector-borne diseases control.
4. **Very Short Notes:** **[3×2=6]**
  - a) Details about Yeast cell
  - b) Describe Bacterial Growth Curve
  - c) Describe Classification of specimen

**SECTION-C****(Infection Control Including Safety)**

5. **Essay** **[1×10=10]**  
Define Sterilization and Disinfection. Write 4 characteristics of an ideal disinfectant. Write a note on the Autoclave as a method of sterilization.
6. **Short Notes:** **[3×5=15]**  
a) Define Nosocomial Infection. Describe various nosocomial infections with measures of prevention of infection.  
b) Describe Universal safety Precautions.  
c) What is Antibiotic Stewardship? Explain its importance in health care settings.
7. **Very Short Notes:** **[3×2=6]**  
a) Write down the Principles of Specimen Collection.  
b) Describe briefly about 55 safety protocol?  
c) Enlist the steps of Hand Hygiene.

