

THIRD SEMESTER B Sc NURSING EXAMINATIONS
APPLIED MICROBIOLOGY AND INFECTION CONTROL INCLUDING SAFETY

Total Duration 3 Hrs.

Total Marks 75

- Instruction:**
- 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. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.
 - 7) Use a common answer book for all sections.

SECTION – B (Applied Microbiology)

2. Essay : (any 1 out of 2) (1x10=10)
 - a) Define Western blot, Explain principles, Techniques and Application.
 - b) Define Cultural media. Explain the type of special media with example.
3. Short Notes : (any 3 out of 4) (3x5=15)
 - a) Define normal flora, Explain role of resident flora.
 - b) Explain type-I & type-II reaction. *Hypersensitivity*
 - c) Structure and types of Flagella.
 - d) Explain the structure and classification of Microbes.
4. Very Short Notes : (any 3 out of 4) (3x2=6)
 - a) Explain *Passive* immunity.
 - b) Describe about Fungal Culture.
 - c) Explain Athlete's foot.
 - d) Describe Hypersensitivity reaction.

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SECTION – C (Infection Control Including Safety)

5. Essay (any 1 out of 2) **(1x10=10)**
- a) Define Hospital – acquired infection, Explain the course and types ^{or type}
 - b) Enumerate steps of Hand hygiene.
6. Short Notes : (any 3 out of 4) **(3x5=15)**
- a) Explain the sample collection preparation.
 - b) Describe Waste Segregation.
 - c) Nosocomial Infection.
 - d) Explain Quality Nursing documentation.
7. Very Short Notes : (any 3 out of 4) **(3x2=6)**
- a) Explain fire precaution in Hospital.
 - b) Describe Effective communication.
 - c) Enlist Types of Hospital Waste.
 - d) Explain Normal flora in the skin.
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