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First P.B.B.Sc. Nursing Examination, Summer - 2021

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) Differentiate between Primary and Secondary Tuberculosis.
 - b) Write a note on Types of Infection.
 - c) Write a note on Hospital infection Control Program.
 - d) Write a note on Sterilization.
 - e) Differentiate between Gram Positive and Gram Negative Bateria.
 - f) Write a note on Bio-medical waste management.

2. Long answer question (**any one** out of two) : [1 × 15 = 15]
 - a) Describe the various factors affecting the growth of bacteria.
 - b) What is Staining? Explain in detail procedure of Acid Fast and Gram Staining.

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SECTION "B" (35 Marks)

3. Short answer question (any four out of five) : [4 × 5 = 20]
- a) What is Disinfection? Write a Short Note on Disinfection.
 - b) Write a Short note on Structure of Viruses.
 - c) Describe the laboratory procedure for diagnosis of Malaria.
 - d) Write a short note on fungal infections.
 - e) Describe Pathogenesis of Salmonella.
4. Long answer question (any one out of two): [1 × 15 = 15]
- a) Describe the Growth Curve of Bacteria in detail.
 - b) Write down the pathogenesis and laboratory diagnosis of a treponema pallidum.

