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**First P.B. B.Sc. Nursing Examination, Winter (Phase - III ALL
Other Remaining UG/PG Course) - 2019
MICROBIOLOGY**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION - A & SECTION - B

- 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 answerbook for all sections.

SECTION - "A" (40 Marks)

1. Short answer questions (any five out of six) : **[5 × 5 = 25]**
 - a) Universal safety precautions.
 - b) Modes of transmission of HIV.
 - c) Bacterial cell wall.
 - d) Enumerate different egg inoculation sites with examples
 - e) Write Life cycle of malaria.
 - f) Draw a neat well labelled diagram of IgM antibody & write its properties

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2. Long answer question (any one out of two) : [1 × 15 = 15]
- Write morphology, cultural characteristics, pathogenicity & Laboratory diagnosis of Mycobacterium tuberculosis.
 - Define sterilization & disinfection. Describe in detail about sterilization by moist heat method.

SECTION - "B" (35 Marks)

3. Short answer questions (any four out of five) : [4 × 5 = 20]
- Bacterial growth curve
 - Candidiasis.
 - Widal test.
 - Write differences between bacillary and amoebic desentery
 - Give examples of four DNA & four RNA viruses.
4. Long answer questions (any one out of two) : [1 × 15 = 15]
- Define agglutination & precipitation reactions. Describe in detail about precipitation reactions in detail with examples.
 - Define hospital acquired infection. Describe in detail about hospital acquired infection with special reference to factors responsible, causative organisms, different infections & its control policies.

