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**First P.B. B.Sc. Nursing Examination, Summer
(Phase - III : All Other Remaining UG/PG Courses) - 2020
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) Food borne infection.
 - b) Describe methods of Viral culture.
 - c) Contribution of Louis Pasteur to Microbiology.
 - d) Bacterial growth curve.
 - e) Modes of transmission of infection.
 - f) Cold chain.

2. Long answer questions (any one out of two):

[1 × 15 = 15]

- a) Define Sterilisation and Disinfection. Enumerate various methods of Sterilisation. Discuss in detail various methods of Sterilisation by Moist heat.
- b) Define Immunity. Classify and discuss types of immunity. Write short note on Immunisation schedule.

SECTION - B (35 Marks)

3. Short answer question (any four out of five):

[4 × 5 = 20]

- a) Anaphylactic reaction.
- b) Biomedical waste management.
- c) Grams staining.
- d) Pathogenicity of Staphylococcus.
- e) Bacterial flagella.

4. Long answer question (any one out of two) :

[1 × 15 = 15]

- a) Define Infection. Describe the chain of Infection. Discuss about factors influencing infection. Write short note on role of a nurse in infection prevention.
- b) Write full form of HIV and AIDS. Write modes of transmission of HIV. Write Clinical features of HIV infection. Mention the test done for diagnosis of HIV infection.

