[Total No. of Pages : 2

SMMPP'S NASHIK F-2900

61305

First P.B.B.Sc. Nursing Examination, Summer - 2024 (Phase - II)

MICROBIOLOGY

Total Duration : 3 Hours | Total Marks : 75

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 answer book for all sections.*

Section - A (40 Marks)

1) Short Answer Questions (any five out of six) : **[5 × 5 = 25]**

a) Tuberculin Test

b) Mutation

c) Koch's Postulates

d) Candida albicans

e) Gene Therapy

f) Bacterial growth curve

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2) Long Answer Questions (any one out of two) **[1 × 15 = 15]**

a) i) Draw a labelled diagram of the Structure of HIV. **[4]**

ii) Discuss the Clinical Signs and Symptoms of HIV infection. **[5]**

iii) Add a note on post exposure prophylaxis and other measures to be adopted following needle stick injury. **[6]**

b) i) Define Sterilization and Disinfection **[3]**

ii) Enumerate the various methods of sterilization **[4]**

iii) Write Principle, function, uses and sterilization controls of hot air oven **[8]**

Section - B (35 Marks)

3) Short answer question (any four out of five) **[4 × 5 = 20]**

a) Laboratory diagnosis of Pneumococcus

b) Classify culture medias with example

c) Properties of Antigen

d) Biomedical waste management

e) Write a short note on Nagler's Reaction

4) Long answer question (any one out of two): **[1 × 15 = 15]**

a) Describe the morphology, cultural characteristic and pathogenesis of corynebacterium diptheriae, and add a note on prophylactic treatment.

b) i) Define Nosocomial Infection **[2]**

ii) Write sources of Nosocomial infection **[4]**

iii) Enlist common Nosocomial infections **[3]**

iv) Write about a role of nurse in prevention of Nosocomial infections **[6]**