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61305

First P.B. B.Sc. (Nursing) Examination, Winter - 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. (Solve any 5 out of 6) : **[5 × 5 = 25]**

a) Ziehl Neelsen staining

b) Prophylaxis of tetanus

c) Life cycle of Plasmodium falciparum (in man)

d) Bacterial growth curve

e) Explain in detail 1gM Antibody

f) Collection of blood for culture

2. Long Answer Questions. (Solve any 1 out of 2) : **[1 × 15 = 15]**

a) Describe morphology, pathogenesis, cultural characteristics and laboratory diagnosis of Vibrio Cholera

b) Define nosocomial infection, enlist organism causing nosocomial infection, describe in detail role of hospital infection control nurse.

SECTION - B [35 Marks]

3. Short Answer Questions (Solve any 4 Out of 5) : **[4 × 5 = 20]**

a) Agglutination reaction

b) Intestinal Nematodes

c) Universal safety precautions

d) Passive Immunity

e) Morphological classification of fungi

4. Long Answer Questions (Solve any 1 Out of 2) : **[1 × 15 = 15]**

a) Describe the structure, pathogenicity, and laboratory diagnosis of human immunodeficiency virus.

b) Define hypersensitivity, write in detail about Type I hypersensitivity