GANPATRAO JMMPP'S NASHIK F-2900 NURSING

[Total No. of Pages : 2

61303

First P.B.B.Sc. Nursing Examination, Summer - 2023 (Phase-III)
Biochemistry and Biophysics

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 (Biochemistry)

Q1) Short Answer Questions (Solve any 5 Out of 6):- **[5×5=25]**

a) Plasma Protein.

b) Fat Soluble Vitamins.

c) Functions of RNA. - Ribo Nucleic acid

d) Regulation of Blood Sugar Level.

e) Beta-Oxidation of fatty acid.

f) Nitrogen balance.

Q2) Long Answer Questions(Solve any 2 Out of 3) :- **[2×5=10]**

a) Discuss the Urea Cycle.

b) Describe the Kreb's Cycle.

c) Classify Enzymes and its mechanism of action.

Q3) Short Answer Questions (Solve any 2 Out of 3) :- [2×5=10]

a) Classify Carbohydrate.

b) Electrolyte imbalance.

c) Kidney function test.

Section B (Biophysics)

Q4). Short Answer Questions (Solve any 4 Out of 5):- [4×5=20]

a) Explain the clinical thermometer.

b) Explain the defibrillator.

c) State Pascal's Law and write two applications of it.

d) Describe the process of vocalization

e) What is force?Explain Russell traction with the help of diagram.

Q5). Long Answer Questions(Solve any 1 Out of 2):- [1×10=10]

a) Describe optical system of eye.

OR

b) Describe the therapeutic uses of electricity in nursing.

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