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62502

First BASIC B.Sc. Nursing Examination, Summer (Phase - III All other Remaining UG/PG Courses) - 2020
NUTRITION AND BIOCHEMISTRY

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 answer book for all sections.

SECTION - A **(45Marks)**
(NUTRITION)

1. Short answer questions (**any five** out of Six) **[5 × 5 = 25]**

a) Marasmus.
b) Methods of cooking.
c) Vitamin 'D' deficiency.
d) Enumerate Food groups.
e) Basal Metabolic Rate.
f) National Nutritional Policy.

2. Long answer questions (any two out of three): **[2 × 5 = 10]**

a) Mid-Day meal program.
b) Functions and absorption of calcium.
c) Describe nutritional problems in India.

3. Short answer questions (any two out of three): [2 × 5 = 10]
   a) Digestion of proteins.
   b) Role of the nurse in nutritional programmes.
   c) Write in short about the elements of nutrition.

SECTION - B (30 Marks)

(BIOCHEMISTRY)

4. Short answer questions (any four out of five): [4 × 5 = 20]
   a) Define and classify enzymes.
   b) Lipoproteins and their functions.
   c) Functions, sources and deficiency manifestations of vitamin 'C'
   d) Digestion and absorption of fat.
   e) Maintenance acid base balance.

5. Long answer questions (any one out of two): [1 × 10 = 10]
   a) Enumerate the pathway of glycolysis.Discuss its energetics. write a note on regulation of blood sugar.
   b) Describe functional classification of proteins with examples. Discuss the biosynthesis of urea and its biological significance.