

First Basic B.Sc. Nursing Examination, (Phase - III) Winter - 2021
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 answerbook for all sections.**

SECTION - A (45 Marks)

(Nutrition)

1. Short answer questions (any five out of six) : **[5 × 5 = 25]**
- a) Discuss fat soluble Vitamins.
 - b) Discuss Food additives.
 - c) National nutritional policy in India.
 - d) Discuss the classification of food.
 - e) Discuss Principles of Cooking.
 - f) Factors affecting the electrolyte imbalance.

2. Long answer questions (any two out of three) : [2 × 5 = 10]
- Discuss in details about the protein energy malnutrition.
 - Define therapeutic diet and its type.
 - Discuss the Mid Meal Programme.

3. Short answer questions (any two out of three) : [2 × 5 = 10]
- Factors affecting the nutrition during illness.
 - Define over hydration and causes of for same.
 - Discuss about Vitamin C its sources and deficiency.

SECTION - B (30 Marks)

(Biochemistry)

4. Short answer questions (any four out of five) : [4 × 5 = 20]
- Functions of Vitamin C.
 - Composition and functions of Cell.
 - Factors affecting enzyme activities.
 - Regulation of blood glucose level.
 - Sources and Functions of Phosphorus.
5. Long answer questions (any one out of two) : [1 × 10 = 10]
- Discuss Cholesterol metabolism in detail.
 - Give sources, daily requirement biochemical functions and deficiency manifestations of calcium.

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