

First Basic B.Sc. Nursing Examination, (Phase - II) Summer - 2022

NUTRITION AND BIOCHEMISTRY

Total Duration : 3 Hours

Total Marks : 75

- 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"

(Nutrition)

1. Short Answer Questions (Solve any 5 Out of 6) : [5 × 5 = 25]
 - a) Discuss the factors affecting the nutrition.
 - b) FAO. *DISCUS* Food Additives.
 - c) Functions of protein.
 - d) Deficiency of Vitamin A.
 - e) Methods of food preservation.
 - f) Classification of food.

2. Long Answer Questions (Solve any 2 Out of 3) : [2 × 5 = 10]
 - a) Therapeutic diets.
 - b) Vitamin A deficiency programme.
 - c) Factors affecting BMR.

3. Short Answer Questions (Solve any 2 Out of 3) :

[2 × 5 = 10]

- a) Functions of Carbohydrate.
- b) Vitamin B complex.
- c) Dehydration and its sign and symptoms.

SECTION - "B"

(Biochemistry)

4. Short Answer Questions (Solve any 4 Out of 5) :

[4 × 5 = 20]

- a) Write any five function of cholesterol.
- b) Explain factors affecting calcium absorption.
- c) Antioxidant.
- d) Discuss in brief about digestion and absorption of lipids.
- e) Explain clinical importance of Blood urea.

5. Long Answer Questions (Solve any 1 Out of 2) :

[1 × 10 = 10]

- a) Define Blood buffer. Explain in detail about different types of Blood buffer and role of buffers in maintaining acid base balance.

OR

- b) Describe Glycolysis and Explain in detail about Reaction sequence, Location and Energy Generation.

