

**Second Semester B.Sc. Nursing (2022) Examination,
(Phase - III) Winter - 2024**

APPLIED BIOCHEMISTRY & APPLIED NUTRITION & DIETETICS

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 63

SECTION - B & SECTION - C

- 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 answerbook for all Sections.

SECTION - B

(Applied Biochemistry)

- 2. Short Notes : (any 3 out of 4) [3×5=15]**
- a) Urea Cycle.
 - b) Explain briefly about Blood buffer.
 - c) Hypoglycemia.
 - d) Define protein & discuss function of plasma protein.
- 3. Very Short Notes : (any 3 out of 4) [3×2=6]**
- a) Define Fatty acids and its classification.
 - b) List down the Causes of proteinuria.
 - c) Regulation of blood sugar.
 - d) List down the types of Enzymes with suitable example.

SECTION - C

(Applied Nutrition & Dietetics)

4. Essay / Situation type question : (any 1 out of 2) [1×10=10]
- a) Define food safety, State the principles of food safety and storage of food items.
 - b) i) Define nutritional assessment. Explain the methods of nutritional assessment.
ii) Write the role of nurse in nutritional assessment.
5. Short Notes: (any 4 out of 5) [4×5=20]
- a) Therapeutic Diet.
 - b) Describe about the Functions and absorptions of fat.
 - c) Iron deficiency anemia.
 - d) Principles of cooking.
 - e) Vitamin - A deficiency.
6. Very Short Notes : (any 6 out of 7) [6×2=12]
- a) Functions of protein.
 - b) Composition of body fluid.
 - c) Define Food guide and list any two basic guidelines.
 - d) Define ^{weaning}~~weaning~~ and list any three principles.
 - e) List down the sources of carbohydrate.
 - f) Define malnutrition and its types.
 - g) Enlist the various nutritional programme for under five children.

X X X