

**First Basic P. B. B.Sc. (Nursing) Examination, Phase - II
Summer - 2022
BIOCHEMISTRY AND BIOPHYSICS**

Total Duration : 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" (Biochemistry)

1. Short answer questions (Solve any 5 Out of 6) : [5 × 5 = 25]
 - a) Biosynthesis & storage of fat
 - ✓ b) Essential amino acids
 - ✓ c) Clinical significance of enzymes
 - d) Glycosuria
 - ✓ e) Electrolyte Distribution & its Functions
 - ✓ f) Biological importance of lipid

2. Long answer questions (Solve any 2 Out of 3) : [2 × 5 = 10]
 - ✓ a) Describe Structure and classification of Lipoproteins.
 - ✓ b) Explain measurement and factors affecting BMR
 - c) Discuss Dietary sources, RDA, Absorption and utilization of Vitamin D.