

First Basic B.Sc. Nursing Examination, Winter - 2023 (Phase - II)
Anatomy and Physiology

Total Duration : 3 Hours

Total Marks : 75

- 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 answer book for all sections.

SECTION "A" (42 Marks)

Anatomy

I) Short answer question (any six out of seven): **[6 × 5 = 30]**

- a) Explain structure of Kidney
- b) Discuss Structure of the skin
- c) Explain Structure of the Ear
- d) Describe the Parts of Small Intestine
- e) Discuss Boundaries and content of femoral triangle
- f) Describe Deltoid muscle
- g) Explain Trachiobronchial Tree

2) **Long answer question (any one out of two):** [1 × 12 = 12]

- a) Explain the Heart under following headings: (i) Structure of heart (ii) Blood supply (iii) Conduction system of heart (iv) Applied anatomy
- b) Describe the thyroid gland under following headings: i). Structure ii). Relations iii). Blood supply iv). Applied anatomy

SECTION "B" (33 Marks)
Physiology

3) **Short answer question (any four out of five):** [4 × 5 = 20]

- a) Discuss mechanism of respiration
- b) Describe types of immune response.
- c) Discuss Factors affecting blood pressure.
- d) Explain fluid and electrolyte balance.
- e) Discuss Functions of the skin.

4) **Long answer question:** [1 × 13 = 13]

- a) Define synapse. Describe synaptic transmission. [6]
- b) Enumerate functions of thyroid gland. Add a note on hypothyroidism. [7]

OR

Long answer question: [1 × 13 = 13]

- c) Explain oxygen transport from lungs to tissues. [6]
- d) Describe digestion process in alimentary tract. [7]

