

**First Basic B.Sc. Nursing Examination, (Phase - III) Winter - 2021**  
**ANATOMY AND PHYSIOLOGY**

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 (42 Marks)**

**(Anatomy)**

1. Short answer question (**any six** out of seven) : **[6 × 5 = 30]**
- a) Explain Cerebrum.
  - b) Sternocleidomastoid muscle.
  - c) Anatomical position of Thyroid Gland.
  - d) Classify bones on the basis of size and shape with example of each.
  - e) Structure and functions of skin.
  - f) Relations of head of pancreas.
  - g) Supports of uterus.

2. Long answer question (**any one** out of two) : [1 × 12 = 12]
- a) Describe right kidney under following heads :
- i) Location, shape, size, weight, orientation. [3]
  - ii) Relations [6]
  - iii) Applied anatomy [3]
- b) Describe heart under following heads :
- i) External features [6]
  - ii) Arterial supply and venous drainage [6]

**SECTION - B (33 Marks)**

**(Physiology)**

3. Short answer question (**any four** out of five) : [4 × 5 = 20]
- a) Sodium potassium ATPase pump
  - b) Movements of small intestine
  - c) Composition and functions of CSF
  - d) Cushings syndrome
  - e) Oxygen haemoglobin dissociation curve
4. Long answer question(**any one** out of two) : [1 × 13 = 13]
- a) i) What is Oogenesis? Explain the functions of Ovaries in brief. [6]
  - ii) What are the importance of the knowledge of reproductive system in the practice of nursing. [7]
- OR
- b) i) Define immunity. Give its classification. Add a note on vaccination. [6]
  - ii) Write in detail about cell mediated immunity. [7]

