

**First BASIC B.Sc. (Nursing) Examination, Summer - 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) Types of Tissues.
  - b) Popliteal fossa.
  - c) Classifications of joints.
  - d) Mechanism of Respiration.
  - e) Papillae of tongue. → 3 papillae
  - f) Lobes of liver.
  - g) Enumerate abnormalities of organs of nervous system.

2. Long answer question (any one out of two) : [1 × 12 = 12]
- Describe right lung under following heads : (i) anatomical position, size, shape (ii) lobes and bronchopulmonary segments (iii) blood supply
  - Describe thyroid gland under following heads: (i) situation, size, shape (ii) relations (iii) blood supply

**SECTION - B (33 Marks)**

**(Physiology)**

3. Short answer question (any four out of five) : [4 × 5 = 20]
- Describe cell.
  - Addison's disease.
  - Write in brief any five functions of liver.
  - Abnormalities of uterus.
  - Describe Juxtaglomerular apparatus with the help of a neat well labelled diagram and give its functions.
4. Long answer question : [1 × 13 = 13]
- Define immunity. Describe cell mediated immunity.
  - Add a note on AIDS.

OR

- Long answer question : [1 × 13 = 13]
- Describe the transport of carbondioxide in the blood.
  - Explain Haldane's effect and its significance to carbondioxide transport.

