

**First BASIC B.Sc. (Nursing) Examination, Summer - 2023 (Phase - III)**  
**ANATOMY AND PHYSIOLOGY**

Total Duration : 3 Hours

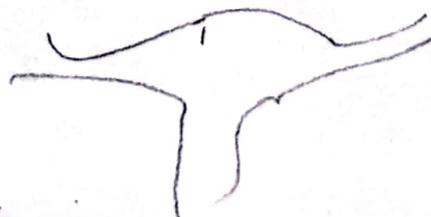
Total Marks : 75

- 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 answerbook for all sections.

**Section "A" (42 Marks)**  
**(Anatomy)**

1. Short answer question (any six out of seven) : [6 × 5 = 30]
- a) Explain popliteal fossa.
  - b) Discuss Lymphatic drainage of mammary gland.
  - c) Discuss Mitochondria.
  - d) Discuss Muscles of gluteal region.
  - e) Draw a neat labelled diagram of Uterus.
  - f) Enumerate relations of anterior surface of left kidney.
  - g) Explain the Difference between small and large intestine.

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2. Long answer question (any one out of two) : [1 × 12 = 12]
- a) Describe Lungs under the following heads
- Structure
  - Blood and nerve supply
  - Applied anatomy
- b) Describe heart under the following heads
- Structure
  - Conduction system
  - Blood supply

**Section "B" (33 Marks)**

**(Physiology)**

3. Short answer question (any four out of five) : [4 × 5 = 20]
- Discuss factors affecting blood pressure
  - Describe different types of blood cells and their functions
  - Explain process of urine formation
  - Discuss Functions of insulin
  - Discuss functions of Reproductive system
4. Long answer question : [1 × 13 = 13]
- Explain Homeostasis and role of various system of body in Homeostasis.
  - Name hormones of posterior pituitary gland. Explain function of any one hormone of posterior pituitary gland.

OR

- Long answer question : [1 × 13 = 13]
- Describe types of blood cells and their roles in the human body.
  - Explain chemical regulation of respiration. Add a note on oxygen toxicity.

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