



**(Section: B)**

**Short questions (Attempt any five)**

**[5×3=15]**

1. What are the components of connective tissue?
2. Write a note on axial skeletal system.
3. Give a note on epithelial tissue.
4. Write a short note on the scope of anatomy and physiology.
5. Write a note on cell cycle.
6. Define cell membrane with labeled diagram.

**(Section: C)**

**Long questions (Attempt any three)**

**[3×5=15]**

1. Explain cell with its component.
2. Illustrate in brief note on axial skeleton.
3. What are tissues? Classify them and give detail note on connective tissue.
4. Write a note on chemical structure of plasma membrane with its nature and function.

**PHB Education Sample Paper-2**  
**D. Pharm Ist Year,**  
**FIRST SESSIONAL EXAMINATION 2024-25**  
**(HUMAN ANATOMY & PHYSIOLOGY)**

**Time: 02Hrs**

**Maximum Marks: 40**

**Instructions:**

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

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**Attempt all the questions:**

**(Section: A)**

**Multiple Choice Questions:**

**[5]**

1. Thoracic cavity is also called as.....
  - a. Abdominal cavity
  - b. Spinal cavity
  - c. Pelvic cavity
  - d. Chest cavity
2. Lysosome was discovered by .....
  - a. Christian de Duve
  - b. Danielli and Davson
  - c. Robert Hook
  - d. S. J. Singer
3. Group of cells which is similar in structure and function are structured into.....
  - a. Organ system
  - b. Muscles
  - c. Bone
  - d. Tissue
4. Which of the following is the longest bone of forelimb?
  - a. Arm bone
  - b. Ulna
  - c. Radius
  - d. Carpals
5. Tissue that provides movement of body is known as.....
  - a. Nerve tissue
  - b. Connective tissue
  - c. Muscular tissue
  - d. Nervous tissue

**Fill in the blanks:**

**[5]**

1. Lysosomes are also known as .....
2. The diameter of mitochondria is .....
3. Tissue that provides movement of body is known as.....
4. The fluid mosaic model of the plasma membrane was given by .....
5. The shape of sternum is .....

**(Section: B)**

**Short questions (Attempt any five)**

**[5x3=15]**

1. Write a note on the scope of anatomy and physiology.
2. 'Plasma membrane is a selectively permeable membrane' comment.
3. Write a note on cell cytoplasm.
4. Write a note on appendicular skeleton.
5. Give a note on connective tissue.
6. What are the three components of the cell?

**(Section: C)**

**Long questions (Attempt any three)**

**[3x5=15]**

1. Write a detailed note on Axial skeleton.
2. What is cell? Enlist the intracellular component of cell. Explain them.
3. Explain in detail about the different stages of cell cycle.
4. What is tissue? Classify them and give detail on epithelial tissue.