

**PHB Education**  
**Sample Paper-1**  
**Session: 2024–25**  
**Course: D. Pharm Ist Year**  
**Subject: Human Anatomy & Physiology**  
**Exam: 3<sup>rd</sup> Sessional Question Paper-1**

**Attempt all the questions:**

**(Section: A)**

**Q. A Multiple Choice Questions:** **[5]**

**1. Insulin is secreted by gland.**

- |              |             |
|--------------|-------------|
| (a) Adrenal  | (b) Thyroid |
| (c) Pancreas | (d) Liver   |

**2. Which gland controls basal metabolic rate?**

- |              |                 |
|--------------|-----------------|
| (a) Thyroid  | (b) Testes      |
| (c) Pancreas | (d) Parathyroid |

**3. The outermost covering of kidney is.....**

- |            |             |
|------------|-------------|
| (a) Corlen | (b) Medulla |
| (c) Pelvis | (d) Capsule |

**4. Tear producing glands are:**

- |                    |                       |
|--------------------|-----------------------|
| (a) Sebaceous      | (b) Lacrimal          |
| (c) Salivary Gland | (d) None of the above |

**5. Which of the following is known as suicidal bag?**

- |                  |                  |
|------------------|------------------|
| a) Microsome     | (b) Golgi bodies |
| (c) Mitochondria | (d) Lysosome     |

**Very Short answer type question:** **[5]**

1. Enlist the function of lung.
2. What are antibodies?
3. Classify nervous system.
4. What does M-line shows?
5. Enlist the function of liver.

**(Section: B)**

**Q. B Short Answer Type Questions:(Attempt any five)**

**[5 × 3 = 15]**

1. Write a note on the anatomy of nephrons.
2. Explain the structure of the ear.
3. Explain the physiology of human eye.
4. Give the function of the following hormones:
  - a) ACTH
  - b) ADH
  - c) TSH
5. Write a short note on exocrine functions of pancreas.
6. Write a short note on physiology of menstruation.

**(Section: C)**

**Q. C Long Answer Type Questions: (Attempt any three)**

**[5 × 3 = 15]**

1. Give an illustrative note on physiology of digestion and absorption of nutrients.
2. What are joints? Give the classification of joints. Describe some joints disorders.
3. Write short note on composition of blood, blood group and coagulation of blood.
4. Explain the conduction system of the heart.

**PHB Education**  
**Sample Paper-2**  
**Session: 2024-25**  
**Course: D. Pharm Ist Year**  
**Subject: Human Anatomy & Physiology**  
**Exam: 3<sup>rd</sup> Sessional Question Paper-2**

**Attempt all the questions:**

**(Section: A)**

**Q. A Multiple Choice Questions:**

**[5]**

**1. How many my types of main cavities are present in our body?**

- |          |         |
|----------|---------|
| a) Three | b) Two  |
| c) Four  | d) Five |

**2. Organ the releases female gamete is:**

- |           |                     |
|-----------|---------------------|
| a) Testes | b) Seminal vesicles |
| c) Ovary  | d) Fallopian tube   |

**3. Which of these is not an endocrine gland?**

- |                   |                |
|-------------------|----------------|
| a) Pancreas       | b) Testes      |
| c) Salivary gland | d) Parathyroid |

**4. Which of these is not usually secreted by kidney?**

- |                   |               |
|-------------------|---------------|
| a) Creatine       | b) Creatinine |
| c) H <sup>+</sup> | d) Penicillin |

**5. Part of ear ossicles is:**

- |            |                     |
|------------|---------------------|
| a) Malleus | b) Incus            |
| c) Stapes  | d) All of the above |

**Fill in the blanks**

**[5]**

- 1.** Taste buds for sweet task are situated at .....of the tongue
- 2.** Meninges that surround the brain is known as.....
- 3.** The energy required for muscular contraction in derived from.....
- 4.** The Oesophagus is..... to the trachea.
- 5.** Formation of WBC is known as.....

**(Section: B)**

**Q. B Short Answer Type Questions:(Attempt any five)**

**[5 × 3 = 15]**

1. Give the composition of blood & explain how blood clot is formed.
2. Write a short note on blood pressure.
3. Explain the physiology of respiration with suitable diagram.
4. Write short note on tongue & draw a well labelled diagram of a tooth.
5. What are Cranial nerves? Enumerate the name of all the pairs of cranial nerve along with nature of each nerve.
6. Describe thyroid stimulating hormone and prolactin.

**(Section: C)**

**Q. C Long Answer Type Questions: (Attempt any three)**

**[5 × 3 = 15]**

1. Draw a labelled diagram of human urinary System. Describe the physiology of urine formation.
- 2 Explain the structure and function of skin.
3. Give a brief review on cerebrum.
4. Give physiology of skeletal muscle contraction.