



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD (now MoE)

Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Arrear Examination – May 2025 I Semester

Batch : 2023
Major : Physician Assistant

Time: 3 Hours
Max. Marks: 100

22BPAC01 Anatomy-I

Course Outcomes:

At the end of the course, students will be able to

- 1: Understand the basics of anatomy, cell, tissue, body fluids, bones and blood.
- 2: Know the importance of structure and organisation of Muscular System and Arthrology
- 3: Provide students insight into normal structural anatomy of Cardiovascular System and Anatomy and ventilation process of respiratory system.
- 4: Aware of structural and functional knowledge of digestive system and genito urinary System
- 5: Understand the anatomical organisation of abdominal wall structure System and Endocrine System.

Part A

10 x 1= 10

Choose the Correct Answer

1. Both the sternum and the vertebrae are examples of
a. Long bones b. Short bones c. Flat bones d. Irregular bones CO1K1
2. Muscles of mastication is
a. masseter b. temporalis c. pterygoid d. all the above CO1K2
3. Membrane surrounding a bone is called
a. periosteum b. endosteum c. pericardium d. epicardium CO2K1
4. Strips of tough connective tissue that hold bones together are known as
a. Tendons b. Smooth muscles c. Striated muscles d. Ligaments CO2K3
5. Different types of muscles that are in our bodies
a. Voluntary and cardiac b. Cardiac, smooth, and involuntary
c. Cardiac, smooth, and skeletal d. Cardiac and skeletal CO3K1
6. The thoracic cage is a structural unit important for which of the following functions
a. Alimentation b. Menstruation c. Mentation d. Respiration CO3K2
7. The covering of the heart
a. meninges b. pleura c. pericardium d. peritoneum CO4K1
8. The gaseous exchange takes places in
a. alveoli b. larynx c. pharynx d. trachea CO4K1
9. Bile juice is formed in the
a. kidney b. salivary gland c. liver d. lung CO5K1
10. The endocrine gland in the human body is
a. Salivary gland b. Digestive gland c. Pituitary gland d. Sweat gland CO5K1

Part B
Answer ALL questions
Each answer should not exceed 400 words or two pages

5 x 6 = 30

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|---|------|-------|
| 11.a. Explain in detail about Nervous tissue. | | CO1K2 |
| | (or) | |
| 11.b. Explain in detail about cell membrane. | | CO1K1 |
| 12.a. Write a note on microscopic structure of bones and arrangements. | | CO2K2 |
| | (or) | |
| 12.b. Difference between type I and type II muscle fibres and their significance. | | CO2K1 |
| 13.a. Discuss about Bronchial Tree of Lungs. | | CO3K1 |
| | (or) | |
| 13.b. Describe about Cardiac muscle, Heart and internal structure. | | CO3K2 |
| 14.a. Enumerate about Small Intestine. | | CO4K1 |
| | (or) | |
| 14.b. Explain about Kidney with neat label. | | CO4K2 |
| 15.a. Add a brief note on Posterior Abdominal wall. | | CO5K1 |
| | (or) | |
| 15.b. Discuss about Thyroid gland and its Hormones. | | CO5K2 |

Part C
Answer ALL questions
Each answer should not exceed 800 words or four pages

5 x 12 = 60

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| 16.a. Explain Bone Ossification and its stages. | | CO1K2 |
| | (or) | |
| 16.b. Explain about Tissues and its types in detail. | | CO1K1 |
| 17.a. Explain about classification of joint with examples. | | CO2K2 |
| | (or) | |
| 17.b. Structure of skeletal muscle, name of the lower limb muscles. | | CO2K2 |
| 18.a. Enumerate about Respiratory tract in detail. | | CO3K1 |
| | (or) | |
| 18.b. Explain Systemic circulation with neat diagram. | | CO3K2 |
| 19.a. Discuss about Digestive tract in detail. | | CO4K2 |
| | (or) | |
| 19.b. Differentiate Male & Female Genito Urinary system in detail. | | CO4K1 |
| 20.a. Enumerate about Abdominal wall and its types. | | CO5K1 |
| | (or) | |
| 20.b. Explain about Pituitary Gland and its Hormones. | | CO5K1 |
