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B. Pharmacy (First Semester) Examination, April-May 2026

(PCI Scheme)

(Pharmacy Branch)

HUMAN ANATOMY and PHYSIOLOGY-I

(Theory : BP101T)

Time Allowed : Three hours

Maximum Marks : 75

***Note** : Question paper is of three parts i.e. (A), (B) and (C). Part A consists of 20 Objective type questions each of 1 mark. All questions are compulsory. Part B consists of 3 long answer questions of which attempt any **two**. Each of 10 marks. Part C consists of 9 short answer questions, attempt any **seven** questions. Each of 5 marks.*

Section-'A' **2×1=20**

(Objective Type Questions)

***Note** : Attempt all the questions. Each question carries 1 mark.*

1. Fill in the blanks :

(i) Human anatomy is study of ..... .

(ii) An adult human skeleton have ..... bones.

(iii) Movement of a solvent through a selectively permeable membrane is called ..... .

(iv) ..... tissue generates the physical force needed to make body structure move.

(v) The science that deals with the study of tissue is called ..... .

(vi) Name any three cranial bones.

(vii) The muscle tissue which can be controlled voluntarily is ..... .

(viii) The function of integumentary system is ..... .

(ix) The example of ball and socket joint is ..... joint.

(x) In ..... joint the convex surface of the one bone fits into the concave surface of the other bone.

(xi) The central nervous system includes ..... .

(xii) The main part of the ear that we see externally is called the ..... .

(xiii) The layer of the eye that contains the photo receptors (cones and rods) is the ..... .

(xiv) The structure responsible for a person's eye color is ..... .

(xv) Parasympathetic nerve arise from ..... region of the nervous system.

(xvi) ..... is released from the parasympathetic nervous system.

(xvii) In comparision to the cones, the rods are more ..... .

(xviii) ..... is the largest cranial nerve.

(xix) Gland which is located just superior to the kidney is ..... .

(xx) Insulin is secreted from the ..... .

Section-'B'

(Long Answer Type Questions) 2×10=20

*Note : Attempt any **two** questions. Each question carries 10 marks.*

2. Write down the classification of joints. Illustrate the ball and socket joint and planner joint with example.

3. Write down the classification of endocrine hormone. Explain the structure and function of thyroid gland.

4. Write the classification of peripheral nervous system. Explain the structure and function of sympathetic system.

Section-'C'

(Short Answer Type Questions) 7×5=35

*Note : Attempt any **seven** questions. Each question carries 5 marks.*

5. Write a brief note on general principle of cell communication.

6. Explain the structure and function of skin.

7. Describe the transport across the cell membrane.

8. Write down the function of connective and epithelial tissue.

9. Write down the definition and scope of anatomy and physiology.

10. Write a note on Neurotransmitters.

11. Write a note on mechanism of hormone action.

12. Discuss Physiology of ear in short.

13. Describe the structure of eye with diagram.