

PRACTICE SET
End Semester Examination, Spring- 2026

Program:-BPT
Semester:-IInd
Subject:-Anatomy-II
Subject Code:- 23A201

Course Outcome:

On the completion of the Course, the students will be able to:

Course Outcomes	Description
CO1	Understand the functional and topographical anatomy of various organs and their respective systems.
CO2	Analyze the basics to human anatomy
CO3	Identify and differentiate applied anatomy of soft tissues, organs and their respective systems

UNIT I

Section A (10 marks)

1. Describe the vertebra column in detail and draw a labelled diagram of lumbar vertebra. [CO3] [BTL Understand LOT]
2. Describe the location of the lungs in the chest cavity with suitable diagram and also discuss about its role in respiration.[CO1] [BTL Understand LOT]
3. Define the pleura, its layers and roles. [CO1] [BTL Remember LOT]
4. Describe the location of erector spinae muscles, its origin, insertion, nerve supply and action. [CO1] [BTL Understand LOT]
5. Explain different types of vertebrae with labelled diagrams along with their characteristic features. [CO1] [BTL Understand] .

Section B (20 marks)

6. Elaborate different respiratory muscles along with their roles during respiration. [CO2] [BTL Analyze HOT]
7. Differentiate cervical, thoracic and lumbar vertebra on the basis of structure, anatomical position and muscle attachment. [CO3] [BTL Analyze HOT]

UNIT II

Section A (10 marks)

8. Define the Corpus striatum and mention its components. [CO1] [BTL Remember LOT]
9. Discuss the boundaries and content of the anterior triangle of the neck. [CO1] [BTL Understand LOT]
10. Elaborate how cerebellum helps in maintaining coordination and balance? [CO3] [BTL Analyze HOT]
11. Describe different types of glands present in the human body along with their functions. [CO1] [BTL Understand LOT]
12. Discuss the classification of nervous system, its components and roles. [CO1] [BTL Understand LOT]

Section B (20 marks)

13. Elaborate how different lobes of the brain work to regulate different functions? [CO2] [BTL Analyze HOT]
14. Elaborate the structure, function and clinical importance of basal ganglia with a suitable diagram. [CO3] [BTL Analyze HOT]

UNIT III

Section A (10 marks)

15. Discuss the interventricular foramina with a suitable diagram? [CO1] [BTL Understand LOT]
16. Write a detailed note on CSF formation, circulation, and absorption. [CO2] [BTL Remember LOT]
17. Describe the ventricle and its communications. [CO1] [BTL Understand LOT]
18. Describe the Hypoglossal nerve (CN XII) and its role in tongue movements. [CO3][Understand LOT]
19. Describe cerebellum and its function. [CO1] [BTL Understand LOT]

Section B (20 marks)

20. Differentiate sympathetic and parasympathetic nervous system in context of function, anatomical location, neurotransmitter and responses. [CO3] [BTL Analyze HOT]
21. Elaborate the effects of vagus nerve stimulation on thoracic and abdominal viscera. [CO3] [BTL Analyze HOT]

UNIT IV

Section A (10 marks)

22. Differentiate between a tonic receptor and a phasic receptor. [CO2] [BTL Analyze HOT]
23. Discuss the major layers of the eyeball with their functions? [CO1] [BTL Understand LOT]
24. Explain the anatomy of the ear and mechanism of hearing. [CO1] [BTL Understand LOT]
25. Elaborate how filiform papillae differ from other papillae of the tongue? [CO2] [BTL Analyze HOT]
26. Explain the anatomy of liver, gall bladder, and biliary apparatus. [CO2] [BTL Understand LOT]

Section B (20 marks)

27. Elaborate the anatomy of the ear and role of internal ear in maintaining hearing mechanism. [CO2] [BTL Apply HOT]
28. Differentiate common clinical conditions of abdomen and pelvis such as hernia, appendicitis, renal calculi, and prolapsed uterus. [CO2] [BTL Analyze HOT]

UNIT V

Section A (10 marks)

29. Describe the anatomy of pancreas [CO1] [BTL Understand LOT]
30. Describe the anatomy of the digestive system and discuss the mechanism of digestion. [CO1] [BTL Understand LOT]
31. Discuss the structure and functions of the liver, gallbladder, and pancreas in digestion. [CO2] [BTL Understand LOT]
32. Describe the anatomy of the urinary system with a neat labelled diagram. [CO1] [BTL Understand LOT]
33. Explain the mechanism of urine formation in the nephron. [CO2] [BTL Remember LOT]

Section B (20 marks)

34. Elaborate the role of kidneys in maintaining fluid, electrolyte, and acid-base balance. [CO3] [BTL Analyze HOT]
35. Distinguish the anatomy of the small intestine and large intestine and also elaborate its role in digestion. [CO3] [BTL Analyze HOT]

UNIT VI

Section A (10 marks)

36. Describe the anatomy and relations of the pituitary gland. [CO1] [BTL Understand LOT]
37. Describe the role of ADH and oxytocin secreted by posterior pituitary. [CO2] [BTL Understand LOT]
38. Explain the roles of hormones in maintaining homeostasis. [CO1] [BTL Remember LOT]

39. Elaborate the disorders which occur due to abnormality in the level of growth hormone. [CO3] [BTL Analyze HOT]
40. Describe the role of hypothalamus as an endocrine system regulator. [CO2] [BTL Understand LOT]

Section B (20 marks)

41. Distinguish different thyroid gland disorders such as hypothyroidism and hyperthyroidism. Analyze how these disorders affect body metabolism? [CO3] [BTL Analyze HOT]
42. Elaborate the importance of parathyroid hormone in calcium balance and skeletal health. [CO3] [BTL Analyze HOT]

Summary Sheet

CO Wise

CO	Q. No	Marks
CO1	2-5,8-9,11,12,15,17,19,23,24,29,30,32,36,38	180
CO2	6,13,16,22,25,26,27,28,31,33,37,40	160
CO3	1,7,10,14,18,20,21,34,35,39,41,42	200
Total		540

Unit Wise

Unit	Q. No	Marks
Unit 1	5 question short= $10*5=50$ 2 question long= $20*2=40$	90
Unit 2	5 question short= $10*5=50$ 2 question long= $20*2=40$	90
Unit 3	5 question short= $10*5=50$ 2 question long= $20*2=40$	90
Unit 4	5 question short= $10*5=50$ 2 question long= $20*2=40$	90
Unit 5	5 question short= $10*5=50$	90

	2 question long= $20*2=40$	
Unit 6	5 question short= $10*5=50$ 2 question long= $20*2=40$	90
Total		540

Blooms Taxonomy Level (BTL) Wise

BTL	Q. No	Marks
LOT	1-5,8-13,15,17-19,23,24,26,29-33,36-38,40	280
HOT	6,7,14,16,20,21,22,25,27,28,34,35,39,41,42	260
Total		540

Prepared By: DR. PAPPU KUMAR (PT)

Disclaimer: -This is a Practice set. The Question in End term examination will differ from the Practice set. This Practice set is meant for practice only.