

D. PHARMA 1st YEAR | HUMAN ANATOMY AND PHYSIOLOGY

5400123

**GOVERNMENT OF KARNATAKA
BOARD OF EXAMINING AUTHORITY
D. Pharma Part-1 Examination (ER-2020) - January 2023
HUMAN ANATOMY AND PHYSIOLOGY**

Time: 3 Hours

Max. Marks: 80 M

Note:

- i) Answer 6 questions from section A, 10 questions from section B, and all questions from section C
- ii) Draw a diagram wherever necessary.
- iii) Answer to the point for objective type.

SECTION-A

Long Essay (Answer any six)

6X5=30 M

1. Classify different types of bones of skeleton system.
2. Explain the sequence of blood clotting.
3. Describe the internal structure of heart.
4. Explain the structure and functions of liver.
5. Describe the structure and functions of spinal cord.
6. Draw a neat labeled diagram of ear and write its functions.
7. Name the hormones of adrenal gland and mention their functions

SECTION-B

Short Essay (Answer any ten)

10X3=30 M

8. Define muscular tissue. Write a short note on Non- striated muscle.
9. Write the composition and functions of blood.
10. Discuss structure and function of Lymph nodes.
11. Explain Renin angiotensin system.
12. Explain the mechanism of breathing.
13. Write the composition and functions of saliva.
14. Write the functions of the medulla oblongata.
15. Draw neat labeled diagram of eye.
16. Write briefly on spermatogenesis.
17. Write the functions of ADH and oxytocin.
18. Draw a neat labeled diagram of skeletal muscle.

SECTION-C

Objective type (Answer all questions)

20X1=20M

19. What are Goblet cells?
20. What are cytoskeletal structures?
21. What are lysosomes?
22. Name any two cartilages.
23. What is Rh factor?
24. Define hypotension
25. What is Tidal volume?
26. What is Nephron?
27. Define Spermatogenesis.
28. What is menstrual cycle?

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29. Define BP. Write its normal value.
30. Mention two disorders of Thyroid gland.
31. The spermatozoa are produced in the ____ tubules.
32. Power house of the cell is called ____.
33. Lungs lie in the thoracic cavity separated by ____ from the abdominal cavity.
34. The dental formula of permanent teeth is ____.
35. Match the following

A	B
1) Cerebrum	a) Controls the pituitary gland
2) Cerebellum	b) Controls the vision and hearing
3) Hypothalamus	c) Controls the rate of heart beat
4) Midbrain	d) Seat of intelligence
	e) Maintenance of body posture
	f) Ventricles

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