

--	--	--	--	--	--	--	--	--	--

**Annual Examination, 2022-23**

**Course Name: PHARMA**

**Year: First Year**

**Branch: Pharm D**

**Subject: Human Anatomy and Physiology**

**Time – 3 hours**

**Maximum marks- 70**

Number of printed pages - 2

**Note: - Attempt all Parts.**

**PART – A**

**(QUESTION NO. 1 TO 15. ATTEMPT ALL QUESTIONS)**

**(15 X 1 = 15)**

1. Separate out fibrous joint –

- a. Shoulder    b. Knee    c. Intervertebral joint    d. Suture

2. Name Blood clotting factor IX

- a. Christmas factor    b. Hageman Factor  
c. Stuart-prower factor    d. Fibrin stabilising factor

3. Oedema can be associated with

- a. Low Blood volume    b. Excess intestinal fluid  
c. Slow blood flow    d. An electrolyte imbalance

4. Tell the name of hormone produced by alpha cells of pancreatic islet

- a. Pancreatic polypeptide    b. Glucagon    c. Insulin    d. Somatostatin

5. Select “The seat of intelligence” from the following

- a. Cerebellum    b. Cerebrum    c. Medulla oblongata    d. Diencephalon

6. Name the cells with which uterus are lined with-

- a. Transitional epithelium    b. Stratified epithelium  
c. adipose tissue    d. Connective Tissue

7. Examine Prostaglandins

- a. Cells in Prostate Gland    b. Involved in Cardiac cycle    c. Involved in blood clotting

d. Long-acting substances

8. Define Juxtaglomerular apparatus (JGA)?
9. Inscribe the name of cells that secretes Testosterone.
10. Demonstrate Hodgkin Lymphoma?
11. Interpret Arteriosclerosis.
12. Discriminate between Hypoxia and Asphyxia.
13. Elucidate Pinocytosis
14. Illuminate Neuroglia
15. Name the substance that is converting into pepsin in the presence of HCl.

**PART- B**

**(QUESTION NO. 16 TO 18. ATTEMPT ANY 2)**

**(2 X 10 = 20)**

16. Display the composition and function of Blood. Summarize Clotting factor with their mechanism.
17. Put a record on formation of urine and jot down the RAS System.
18. Give an account on structure and functions of heart with labeled diagram.

**PART – C**

**(QUESTION NO. 19 TO 27. ATTEMPT ANY 5)**

**(5 X 7 = 35)**

19. Extend about spinal nerves with diagram.
20. Summarize Female Reproductive system with diagram.
21. Inscribe the anatomy and physiology of digestive system with labeled diagram.
22. Shed light on thyroid and Parathyroid gland.
23. Furnish a labeled diagram of Ear, Eye and Tongue.
24. Write down an account on Nephron.
25. Write a Note on Transport of respiratory gases.
26. Explicate about Cardiac Cycle.
27. Set out about joints and portray about disorders of joint.