

B.Sc. DEGREE EXAMINATION, APRIL 2020
I Year II Semester
Human Physiology

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Draw and label the parts of a cell.
2. List the functions of nervous tissue.
3. Explain any 2 functions of middle ear.
4. Enumerate the significance of autonomic nervous system.
5. What is blood pressure?
6. What are the constituents of blood?
7. What is the role of pepsin in digestion?
8. Draw and label the parts of lungs.
9. Define Micturition?
10. What is menopause?
11. What is Nephron?
12. What is let down reflex?

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Explain the structure and functions of skeletal tissue.
14. Discuss the physiology involved in vision.
15. Explain the body's natural defense mechanism.
16. Explain the factors affecting blood pressure in an individual.
17. Discuss the mechanism involved in breathing.
18. Differentiate between hypo and hyperparathyroidism.
19. Explain the hormones involved in pregnancy.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Explain the structure and functions of connective tissue and cartilage tissue.
21. Discuss the role of muscle contraction and highlight the nerve muscle coordination.
22. Explain the properties of cardiac tissue and give the significance of cardiac cycle.
23. Comment on gaseous exchange in respiratory system.
24. Discuss on the functions of kidney and highlight their role in maintaining the acid base balance.

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