

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2018**  
**I Year II Semester**  
**Core Major- Paper III**  
**HUMAN PHYSIOLOGY**

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. List the functions of cell membrane.
2. Write the purpose of connective tissue in human body.
3. What is a synapse?
4. Draw the structure of neuron.
5. What is excitability?
6. Write the blood composition.
7. List the types of respiration.
8. What are the primary and accessory digestive organs?
9. Define glomerular filtration.
10. List the hormones and their functions secreted by adrenal cortex.
11. Write the significance of cardiac muscle.
12. What are auditory ossicles?

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

Answer any **FIVE** questions

13. Write the recent concepts of cell physiology.
14. Write a note on action potential.
15. Explain arterial blood pressure.
16. How gaseous exchange take place in lungs?
17. What is ovulation? Write the hormonal regulation of ovulation.
18. Write in detail about the functions of small and large intestine.
19. Explain water balance in human body.

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

Answer any **THREE** questions

20. Write the detailed classification of tissues.
21. Explain the physiology of vision.
22. Elaborate on reticulo-endothelial system.
23. Explain in detail about the digestion, absorption and metabolism of protein.
24. Explain the function, regulation and secretion of parathormone. Write a note on disorders of parathormone.

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