# B.Sc. DEGREE EXAMINATION,NOVEMBER 2019
## I Year I Semester
## Human Physiology

**Time : 3 Hours** **Max.marks :75**

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

Answer any **TEN** questions

1. Where is squamous epithelium found in the body?
2. Describe meiosis.
3. Define synapse.
4. What is tidal volume?
5. Mention the functions of erythrocytes.
6. Bring out the difference between innate and acquired immunity.
7. What is composition of bile?
8. State the role of cholecystokinin in digestion.
9. Define Micturition.
10. List the adrenocorticoid hormones.
11. Outline the properties of cardiac muscle?
12. Define cardiac output.

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

Answer any **FIVE** questions

13. Explain the process of mitosis.
14. Summarise the functions of epithelial tissues.
15. Illustrate and explain the structure of neuron.
16. Describe the mechanism of blood coagulation.
17. Discuss the mechanism of breathing.
18. Write on the mechanism of urine formation.
19. What are the hormones secreted by the posterior pituitary? Mention their functions.

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

Answer any **THREE** questions

20. Give a detailed account of the different types of muscle tissue.
21. Enumerate the functions of the autonomic nervous system.
22. Explain the origin and conduction of heart beat.
23. How are gases exchanged in the lungs and tissues?
24. Discuss the regulation of acid – base balance in the body.

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