

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

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. Two functions of cell membrane
2. Striated muscle.
3. Neuron.
4. Two functions of cerebrum
5. Haemoglobin
6. Purkinjee fibres.
7. Prophase
8. Dyspnoea.
9. Pepsinogen
10. GFR
11. Prolactin
12. ECG

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

Answer any **FIVE** questions

13. Discuss the functions of oestrogen.
14. Types of epithelial tissues
15. Functions of thyroid hormones
16. Factors affecting respiratory centre.
17. Maintenance of acid base balance by kidneys
18. Define arterial blood pressure? List the factors affecting BP
19. Differentiate sympathetic and parasympathetic nervous system

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

Answer any **THREE** questions

20. Explain the stages of mitosis.
21. Draw the structure of the Neuron. Explain its functions.
22. What is cardiac cycle. Explain the events in cardiac cycle
23. Discuss the digestion and absorption of carbohydrates in the G.I tract.
24. Discuss the 4 stages of menstrual cycle.

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

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. Two functions of cell membrane
2. Striated muscle.
3. Neuron.
4. Two functions of cerebrum
5. Haemoglobin
6. Purkinjee fibres.
7. Prophase
8. Dyspnoea.
9. Pepsinogen
10. GFR
11. Prolactin
12. ECG

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

Answer any **FIVE** questions

13. Discuss the functions of oestrogen.
14. Types of epithelial tissues
15. Functions of thyroid hormones
16. Factors affecting respiratory centre.
17. Maintenance of acid base balance by kidneys
18. Define arterial blood pressure? List the factors affecting BP
19. Differentiate sympathetic and parasympathetic nervous system

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

Answer any **THREE** questions

20. Explain the stages of mitosis.
21. Draw the structure of the Neuron. Explain its functions.
22. What is cardiac cycle. Explain the events in cardiac cycle
23. Discuss the digestion and absorption of carbohydrates in the G.I tract.
24. Discuss the 4 stages of menstrual cycle.