

B.Sc DEGREE EXAMINATION, APRIL 2019
I Year II Semester
Human Physiology

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. Give the classification of tissues with examples.
2. Draw and explain the structure of a cell.
3. List any two differences between autonomic and central nervous system.
4. Draw and explain the structure of a skin membrane.
5. Give the composition of blood.
6. Define hypertension.
7. List any two functions of bronchioles.
8. What is micelle formation and why it is important?
9. Define menopause.
10. List any two differences between hypo and hyperthyroidism.
11. Draw the structure of adrenal gland and name its parts.
12. Define buffers.

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

Answer any **FIVE** questions

13. Explain the structure and functions of connective tissues.
14. Describe the visual pathway.
15. Give the constituents and functions of blood.
16. Explain the mechanism of inspiration and expiration.
17. How is skin- temperature regulated in our body?
18. Illustrate the structure of a heart and explain its parts.
19. Explain the anatomy of female reproductive system.

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

Answer any **THREE** questions

20. Describe the functioning of a human cell. Highlight the significance of it.
21. Illustrate the structure of an ear and explain the functions of different parts of ear.
22. Define and explain in detail about the cardiac cycle.
23. Describe the digestion and absorption mechanism of carbohydrates.
24. Explain in detail about the fertilization process.

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