

M.Sc. DEGREE EXAMINATION, NOVEMBER 2019
I Year I Semester
Advanced Human Physiology

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. Autosomes
2. Prothrombin
3. Vital capacity
4. Heart sounds
5. Functions of bile
6. GFR
7. Pyrexia
8. Neurone
9. Functions of estrogen
10. Hormones related to Lactation
11. Refractive index
12. Functions of cochlea

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

Answer any **FIVE** questions

13. Differentiate mitosis and meiosis.
14. What are the factors that affect blood pressure?
15. Write a note on functions of gall bladder with suitable diagram.
16. Give a brief description about blood brain barrier and CSF.
17. Explain hyper and hypo secretion of thyroid hormones.
18. Explain the mechanism of respiration with diagram.
19. Explain the role of kidney in maintaining acid base balance.

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

Answer any **THREE** questions

20. Explain blood grouping and highlight on the Rh factor.
21. Elaborately explain the cardiac cycle with suitable diagram.
22. Explain the mechanism of urine formation with the structure of nephron.
23. Explain the mechanism of conduction of eye.
24. Give a detailed note on menstrual cycle and explain the hormones related to it.

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