

M.Sc DEGREE EXAMINATION, APRIL 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. Define Mitosis.
2. List the types of Blood Groups.
3. What do you mean by Cardiac Output?
4. Define cardiac cycle.
5. List the important physiological functions of Nephron.
6. What are the hormones secreted by Pancreas?
7. Role of CSF.
8. What do you mean by Perception of Stimuli?
9. List any 3 functions of Thyroid gland.
10. Spermatogenesis-its importance.
11. How skin helps in regulating body temperature?
12. GFR.

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

Answer any **FIVE** questions

13. Briefly explain the Coagulation process of Blood.
14. Define Blood pressure. Write about systolic and diastolic pressure.
15. Explain the role of Kidney in acid-base balance.
16. Draw and label the different parts of the Neuron.
17. Elaborate the Spermatogenesis process.
18. Give a Schematic diagram of Menstrual cycle.
19. How the hormones of Pancreas play a vital role in Blood glucose maintenance?

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

Answer any **THREE** questions

20. Give a detailed explanation about Mitosis and Meiosis.
21. Define cardiac Cycle. Explain the Origin and conduction of Heart beat.
22. Explain the mechanism of Urine Formation with the diagrammatic representation of Nephron.
23. What is meant by Synapses? Explain the role of Neurotransmitters in the conduction of Nerve Impulse.
24. Elaborate the symptoms of deficiency and excess secretion of Thyroid gland.

M.Sc DEGREE EXAMINATION, APRIL 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. Define Mitosis.
2. List the types of Blood Groups.
3. What do you mean by Cardiac Output?
4. Define cardiac cycle.
5. List the important physiological functions of Nephron.
6. What are the hormones secreted by Pancreas?
7. Role of CSF.
8. What do you mean by Perception of Stimuli?
9. List any 3 functions of Thyroid gland.
10. Spermatogenesis-its importance.
11. How skin helps in regulating body temperature?
12. GFR.

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

Answer any **FIVE** questions

13. Briefly explain the Coagulation process of Blood.
14. Define Blood pressure. Write about systolic and diastolic pressure.
15. Explain the role of Kidney in acid-base balance.
16. Draw and label the different parts of the Neuron.
17. Elaborate the Spermatogenesis process.
18. Give a Schematic diagram of Menstrual cycle.
19. How the hormones of Pancreas play a vital role in Blood glucose maintenance?

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

Answer any **THREE** questions

20. Give a detailed explanation about Mitosis and Meiosis.
21. Define cardiac Cycle. Explain the Origin and conduction of Heart beat.
22. Explain the mechanism of Urine Formation with the diagrammatic representation of Nephron.
23. What is meant by Synapses? Explain the role of Neurotransmitters in the conduction of Nerve Impulse.
24. Elaborate the symptoms of deficiency and excess secretion of Thyroid gland.