QP CODE: 25006032



Reg No	:	
Name	:	

B.Sc DEGREE (CBCS) SPECIAL REAPPEARANCE EXAMINATIONS, FEBRUARY 2025

Fifth Semester

CORE COURSE - ZY5CRT08 - HUMAN PHYSIOLOGY, BIOCHEMISTRY & ENDOCRINOLOGY

Common for B.Sc Zoology Model I, B.Sc Zoology Model II Aquaculture, B.Sc Zoology Model II Food Microbiology, B.Sc Zoology Model II Medical Microbiology, B.Sc Biological Techniques and Specimen Preparation Model III & B.Sc Zoology and Industrial Microbiology Model III Double Main

2022 Admission Only

0F1B2013

Time: 3 Hours

Max. Marks : 60

Part A

Answer any **ten** questions. Each question carries **1** mark.

- 1. Define nutrition.
- 2. Define digestion.
- 3. List the different types of hypoxia
- 4. Name two anticoagulants present in human body.
- 5. What is JGA ?
- 6. Expand RAAS.
- 7. Which is the ion that is pumped into the axoplasamfor the generation of resting membrane potential?
- 8. Name three major types of epilepsy.
- 9. Give an example for a polysaccharide. Write its biological function.
- 10. Differentiate between secondary structure and tertiary structure of proteins.
- 11. Comment on phosphagens.
- 12. What is polydipsia?

 $(10 \times 1 = 10)$



Part B

Answer any six questions.

Each question carries 5 marks.

- 13. Comment on the mechanism behind respiration.
- 14. Write an account on the transport of carbon dioxide.
- 15. Differentiate Angiogram and Angioplasty.
- 16. Comment on tubular secretion
- 17. Explain the process of Dialysis.
- 18. Describe the cori cycle.
- 19. Comment on vitamin deficiency diseases.
- 20. Describe the chemical nature of enzymes. Write an account on coenzymes.
- 21. Differentiate between oxidative and non oxidative deamination.

(6×5=30)

Part C

Answer any **two** questions. Each question carries **10** marks.

- 22. Discuss the causes of Atherosclerosis in modern life style.
- 23. Describe the ultrastructure of vertebrate skeletal muscle.
- 24. Explain the mechanism of muscle contraction.
- 25. Describe the various hormone deficiency disorders in humans.

(2×10=20)