QP CODE: 25033145

25033145

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS)REGULAR / REAPPEARANCE/MERCY CHANCE EXAMINATIONS, OCTOBER 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

2017 Admission Onwards

9EF533F9

Time: 3 Hours Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Define Colostrum.
2. What is the function of dipeptidase?
3. Identify the oxygen binding proteins present in blood and muscles.
4. Describe Bohr effect.
5. What is JGA ?
6. What is Glomerular filtrate?
7. Which is the brain wave that disappear totally during deep sleep?
8. What are sarcosomes?
9. Write two examples for polysaccharides.
10. What is the role of enzyme activators?
11. What is gluconeogenesis?
12. Name the hormone which possess antidiuretic property.

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain Erythropoiesis.

14. What are anticoagulants? Write down the importance of anticoagulation.

15. Explain Myocardial Infarction.

16. Comment on the Renin- Angiotensinogen- Angiotensin System.

17. Explain the process of Dialysis.

18. Describe the cori cycle.

19. Write an account on the classification of proteins with examples.

20. Discuss the biological importance of vitamins.

21. Give a note on the structure of Cholesterol. Mention its functions.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Describe the neural and hormonal control of digestion in cephalic phase.

23. Briefly explain different kinds of neuronal disorders.

24. Explain the mechanism of muscle contraction.

25. Discuss the significance of Protein catabolism citing examples.

(2×10=20)