



QP CODE: 21100089



21100089

Reg No :

Name :

BSc DEGREE (CBCS) EXAMINATION, FEBRUARY 2021

Fifth Semester

**Core Course - ZY5CRT08 - HUMAN PHYSIOLOGY, BIOCHEMISTRY &
ENDOCRINOLOGY**

B.Sc Biological Techniques and Specimen Preparation Model III ,B.Sc Zoology and Industrial Microbiology
Model III Double Main ,B.Sc Zoology Model I ,B.Sc Zoology Model II Aquaculture ,B.Sc Zoology Model II
Medical Microbiology,
2017 Admission Onwards
78826366

Time: 3 Hours

Max. Marks : 60

Part A

Answer any ten questions.

Each question carries 1 mark.

1. Define RDA.
2. Define peristalsis.
3. What is marasmus?
4. What are the components of haemoglobin?
5. What is Diabetes insipidus?
6. What is chronic renal failure?
7. What is meant by Cori cycle?
8. What is muscle fatigue?
9. What are oligosaccharides? Give an example.
10. Give two examples for co-enzymes.
11. Mention two types of deamination
12. What are emergency hormones?

(10×1=10)

Part B

Answer any six questions.

Each question carries 5 marks.





13. Write an account on the transport of carbon dioxide.
14. What is hypoxia? Explain the different types of hypoxia.
15. What are anticoagulants? Write down the importance of anticoagulation.
16. Describe the Histology of Bowman's capsule.
17. Describe the counter current mechanism in connection with urine formation
18. Illustrate and explain the organisation of myofibrils .
19. Write an account on the biological importance of proteins.
20. List the functions of B complex vitamins.
21. What is the significance of ATP in a biological system?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain the causes and symptoms of jaundice.
23. Write a note on different types of synapses. Add a note on the mechanism of synaptic transmission across different synapses.
24. Briefly explain different kinds of neuronal disorders.
25. Explain how lipids are metabolised?

(2×10=20)

