



19102488

QP CODE: 19102488

Reg No :

Name :

BSc DEGREE (CBCS) EXAMINATION, OCTOBER 2019

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

BACEA3E6

Maximum Marks: 60

Time: 3 Hours

Part A

*Answer any **ten** questions.*

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

1. What is a balanced diet?
2. What is the function of elastase?
3. Define hypercapnia.
4. What are clotting factors?
5. What are podocytes ?
6. Name the condition in which kidney stop working due to rapid destruction of renal tissue.
7. Describe the direction of flow of Sodium and Potassium ions during the generation of action potential.
8. Define simple muscle twitch.
9. Which vitamin keeps your bone strong?
10. What do you mean by enzyme specificity?
11. Name the hormones secreted by thyroid gland.
12. Name any two disorders due to hyposecretion of Growth hormone.

(10×1=10)





Part B

*Answer any **six** questions.*

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

13. Comment on the mechanism behind respiration.
14. Explain Erythropoiesis.
15. What is Thrombosis? Mention different types of thrombosis.
16. Describe the role of kidney in keeping Homeostasis.
17. Write a brief description on dyslexia.
18. Give an account on muscle proteins.
19. Write an account on the classification of carbohydrates with examples.
20. Write an account on the classification of amino acids with examples.
21. Explain how ketone bodies are formed?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Describe the neural and hormonal control of digestion in gastric phase.
23. Write an essay on the different steps of urine formation in man.
24. Explain the mechanism of muscle contraction.
25. Give an account on citric acid cycle. Mention the total input and output of this cycle.

(2×10=20)

