QP CODE: 20100089

20100089

Reg No : .....

Name : .....

BSc DEGREE (CBCS) EXAMINATION, FEBRUARY 2020

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

277A90C4

Time: 3 Hours | Maximum Marks :60

Part A

*Answer any **ten** questions.*

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

1. What is the function of dipeptidase?
2. Recognize the process behind the exchange of respiratory gases.
3. What is oxygen therapy?
4. What are clotting factors?
5. Define vasa recta .
6. Define GFR .
7. What is homeostasis?
8. Which is the neuro transmitter involved in the development of Parkinsons disease?
9. What are oligosaccharides? Give an example.
10. Give two examples for co-enzymes.
11. Who postulated beta-oxidation theory of fatty acid metabolism?
12. What is cretinism?

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. With the help of a suitable diagram explain Bohr effect.
14. Differentiate Angiogram and Angioplasty.
15. Explain Myocardial Infarction.
16. Explain the reasons for developing kidney stones.
17. Discuss cross bridge cycle.
18. Distinguish between muscle fatigue and muscular tetanus.
19. Write an account on the classification of proteins with examples.
20. Comment on vitamin deficiency diseases.
21. Describe the mechanism of action of non steroidal hormones.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Describe the nutrition during lactation.
23. Explain the process of nerve impulse transmission.
24. Describe the ultrastructure of vertebrate skeletal muscle.
25. Explain Protein metabolism with examples.

(2×10=20)