22103446

QP CODE: 22103446

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, NOVEMBER 2022

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

D913EF26

Time: 3 Hours Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. Name the muscles involved in respiration.
2. Write any two physiological disturbances caused by smoking.
3. Distinguish between hypotension and hypertension.
4. Name two anticoagulants present in human body.
5. What are podocytes?
6. What is the function of Aldosterone?
7. Comment on troponin.
8. What is muscular tetanus?
9. Give an example for a monosaccharide. Write its biological function.
10. What do you mean by enzyme specificity?
11. State the significance of Transamination.
12. Name the hormone secreted by pars intermedia.

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. Classify the nutrients on the functional basis.
14. With the help of a suitable diagram explain Bohr effect.
15. Explain Myocardial Infarction.
16. Explain the reasons for developing kidney stones.
17. Explain the mechanism of impulse transmission in a chemical synapse.
18. Discuss cross bridge cycle.
19. Write an account on the classification of proteins with examples.
20. Discuss the biological importance of vitamins.
21. Differentiate between Diabetes insipidus and diabetes mellitus.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Describe the absorption and assimilation of fats/lipids in the intestine.
23. Write an essay on the different steps of urine formation in man.
24. Write a note on various types of neurotransmitters.
25. Give an account on Glycolysis.

(2×10=20)