

B. SC. DEGREE (C.B.C.S.S) EXAMINATION, OCTOBER 2018**(2016 Admission Regular & 2015 Admission Supplementary)****SEMESTER V - CORE COURSE (ZOOLOGY)****ZY5B08TB - BIOCHEMISTRY, PHYSIOLOGY AND ENDOCRINOLOGY****Time : 3 Hours****Maximum Marks : 60****Part A****I. Answer all questions. Each question carries 1 marks (5x1=5)**

1. What is A) Gluconeogenesis B) Glycogenesis?
2. Which vitamin is otherwise called (a) Ascorbic acid (b) Anti sterility vitamin.
3. Name any one disease caused by the deficiency of (a) Iron (b) Vitamin A.
4. Name 2 Neuro transmitters.
5. Name any 2 placental hormones .

Part B**II. Answer any Five questions. Each question carries 2 marks (5x2=10)**

6. Differentiate between Competitive and Non competitive inhibition.
7. What are different types of endogenous antioxidants ?
8. Distinguish between homo and hetro polysaccharide with an example for each.
9. Mention the significance of Balnced Diet.
10. Write briefly on Parkinsons disease
11. List the functions of plasma.
12. Write briefly on Summation.
13. Name the hormones of Islets of Langerhans.

Part C**III. Answer any Five questions. Each question carries 5 marks (5x5=25)**

14. Explain the various factors that affect enzyme activity
15. Write briefly on the mechanism of enzyme activity.
16. Discuss different methods of Artificial respiration.
17. Explain any 3 respiratory Pigments.
18. Write an account on any 4 disorders of Kidney.
19. Explain Oxygen dissociation curve. Add a note on the factors affecting Oxygen dissociation curve .
20. Discuss on the biosynthesis and secretions of adrenal medulla.
21. Explain the disorders of hypo and hypersecretions of the thyroid gland.

Part D**IV. Answer any Two questions. Each question carries 10 marks (2x10=20)**

22. Give an elaborate account on Protein structure.
23. Discuss the symptoms and causes for Renal disorders
24. Describe the structural , electrical and ionic changes associated with muscle contraction.
25. Give a detailed account of hormones, their functions and its associated disorders.