

B. Sc. DEGREE (C.B.C.S.S) EXAMINATION, JANUARY 2019**(2016 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 are compound lipids? Give an example.
2. What do you understand by dysbarism
3. State Lorrain Smith effect.
4. State tonus.
5. Name any 2 hormones secreted by neurohypophysis.

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

6. Differentiate between Competitive and Non competitive inhibition.
7. Distinguish between saturated and unsaturated fatty acids with an example for each?
8. Define a Peptide bond. How is it formed.
9. What do you know about Anorexia.
10. List the functions of plasma.
11. Explain Vascular distensibility.
12. Give a brief account on Cardiac muscle.
13. Write notes on Second messenger.

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

14. Describe Cell respiration.
15. Explain the various factors that affect enzyme activity
16. Write an account on any 4 disorders of Kidney.
17. Explain in detail the Urea cycle.
18. Describe the various respiratory disorders.
19. Give an account of Food adulteration and how can you detect adulterants in daily food.
20. Discuss on the biosynthesis and secretions of adrenal medulla.
21. Pancreas acts like a digestive as well as endocrine gland. Explain.

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

22. Write an essay on Glycolysis. Add a note on the energy yield during the oxidation of Glucose
23. Explain how respiratory gases are transported by blood in Man.
24. Describe the mechanism of blood clotting in man.
25. Give a detailed account of hormones, their functions and its associated disorders.