

TB173620C

Reg. No: .....

Name: .....

**B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2018**  
**(2017 Admissions Regular, 2016 Admissions Supplementary/Improvement & 2015**  
**Admissions Supplementary)**  
**SEMESTER III - COMPLEMENTARY COURSE (ZOOLOGY)**  
**ZY3C03TB - HUMAN PHYSIOLOGY, ENDOCRINOLOGY AND IMMUNOLOGY**  
**(For Botany & Home Science)**

**Time: Three Hours**

**Maximum Marks: 60**

**PART A**

**I Answer all questions. Each question carries 1 mark**

1. What is haemophilia?
2. Name any two neurotransmitters.
3. What is acquired immunity?
4. Expand (a) EEG (b) ECG
5. What is Hypercapnia?

**(5x1=5)**

**PART B**

**II Answer any five questions. Each question carries 2 marks**

6. Comment on angiogram
7. Comment on Dyslexia
8. Briefly explain BCG Vaccine.
9. Give an account of carbon monoxide poisoning?
10. What is Arteriosclerosis?
11. Give an account of Parkinson's disease.
12. Briefly describe Inflammation
13. Which are the various types of Antigens?

**(5x2=10)**

**PART C**

**III Answer any five questions. Each question carries 5marks**

14. Briefly describe ultra structure of striated muscles
15. Give an account on hormones of adrenal cortex and their functions
16. What are principles of vaccination? Mention different types of vaccines
17. Briefly describe the steps involved in the production of monoclonal antibodies by Hybridoma technology
18. Briefly describe a) Haptens b) Epitope c) B-lymphocyte d) T-lymphocyte
19. Describe the Mechanism of Innate immunity
20. Give an account of Carbondioxide Transport.
21. Explain kidney disorders.

**(5x5=25)**

## **PART D**

**IV Answer any two questions. Each question carries 10 marks**

22. Give an account of the various cells of immune system.
23. Explain the mechanism of nerve impulse transmission
24. Describe the basic structure of immunoglobulin; give the functions of various types of immunoglobulins.
25. Explain the mechanism of blood clotting.

**(2x10= 20)**