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TB243463Q

Reg. No : .....

Name : .....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024

2023 ADMISSIONS REGULAR

SEMESTER III - COMPLEMENTARY COURSE 2 ZOOLOGY

ZY3B01B23 - Physiology and Immunology

Time : 3 Hours

Maximum Marks : 60

**Part A**

**I. Answer any Ten questions. Each question carries 1 marks**

**(10x1=10)**

1. Expand ECG and EEG.
2. Define thrombocytes.
3. Mention any 2 anticoagulants.
4. Describe kidney stones.
5. Write notes on Cross Bridge formation.
6. Define synapse.
7. State All or None Law.
8. List any two disorders of Thyroid gland.
9. Describe Phagocytosis.
10. Describe Adoptive immunity.
11. Cite two examples for bacterial vaccines.
12. Describe Natural killer cells.

**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. Comment on Haemophilia.
14. Compare different types of WBC in human blood.
15. With the help of appropriate diagram explain the transport of carbon dioxide.
16. Explain EEG.
17. Explain the structure of a nephron.
18. Write note on rigor mortis.
19. Explain the disorders of Adrenal Gland.
20. Explain the first aid for fractures and snake bite.
21. Explain different types of antigens.

**Part C**

**III. Answer any Two questions. Each question carries 10 marks**

**(2x10=20)**

22. Explain composition and functions of blood. Describe plasma and various blood cells.
23. Describe the mechanism of Urine formation.
24. Write an essay on any five major endocrine glands and their disorders in man.
25. Explain basic structure of Immunoglobulins using a labelled diagram.