

Reg. No

Name

23U356

B.Sc. DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023

SEMESTER 3 : ZOOLOGY

COURSE : 19U3CPZ003 : HUMAN PHYSIOLOGY AND IMMUNOLOGY

(For Regular 2022 Admission and Improvement / Supplementary 2021/2020/2019 Admissions)

Time : Three Hours

Max. Marks: 60

PART A

Answer All (1 mark each)

1. What is haematuria?
2. What is hypocarbia?
3. Examine the softening of the cornea?
4. What is mean arterial pressure?
5. Define TONIC muscle .
6. What is Coombs test?
7. Comment on synaptic transmission
8. Name the hormone that releases glucose into the blood.

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. Explain the process of determining hematocrit
10. In warm-blooded animals oxygen dissociates from haemoglobin more efficiently than in the cold-blooded animals. Justify this statement.
11. Name the hormones involved in the regulation of renal function.
12. What are the recent trends in vaccination?
13. Where parathyroid gland is present and what is the function?
14. Why EEG is used ?
15. Differentiate IgE and IgA
16. Comment on the basic properties of muscle tissue

(2 x 6 = 12)

PART C

Answer any 4 (4 marks each)

17. Give an account on cardiovascular disorders
18. Explain antigen – antibody reactions.
19. Give an account of kidney disorders
20. Explain the physiological functions of vitamins.
21. Classify the hormones based on their chemical nature?
22. Write an account on different types of antigens

(4 x 4 = 16)

PART D

Answer any 2 (12 marks each)

23. Describe the structure of Neuron. Add notes on neural disorders
24. Describe types of immunity
25. Write an essay on lymphoid organs.
26. Explain the mechanism of blood clotting. Mention the significance of blood clotting

(12 x 2 = 24)