

TB245695M

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024
2022 ADMISSIONS REGULAR
SEMESTER V - CORE COURSE (ZOOLOGY)
ZY5B08B18 - Human Physiology, Biochemistry and Endocrinology

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 mark

(10x1=10)

1. Define Peristalsis.
2. Expand (a) RDA (b) TCA.
3. Define Embolus.
4. List the functions of plasma.
5. Name the 2 types of dialysis.
6. Define oxygen debt?
7. Define threshold potential?
8. Define (a) Ligase (b) Transferase.
9. Define the terms (a) Apoenzymes (b) Holo enzymes.
10. Distinguish between decarboxylation and transmethylation.
11. Name the birth hormone.
12. Define an amine hormone. Give an example.

Part B

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

(6x5=30)

13. Explain Malnutrition and associated disorders.
14. Discuss different methods of Artificial respiration.
15. Explain A) Excitation contraction coupling B) Rigor mortis.
16. With the help of a labelled diagram describe the structure of a Neuron. Discuss the various types of Neurons found in man.
17. Elaborate on the different types of Polysaccharides.
18. Give a brief account on Fat soluble vitamins.
19. Explain A) Glycogenolysis B) Allosteric enzymes.
20. Explain the disorders of hypo and hypersecretions of the thyroid gland.
21. Comment on homeostasis and feedback mechanism of hormones citing suitable examples.

Part C

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

(2x10=20)

22. Discuss the various methods by which respiration is controlled in our body.
23. Write an essay on the mechanism of urine formation. Give suitable figures.
24. Define synapse. Give an account of the different types of Synaptic transmission. Write briefly on any 2 neurotransmitters.
25. Discuss Pentose phosphate pathway. Add a note on Ethanol metabolism.