

C 63102

(Pages : 2)

Name.....

Reg. No.....

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SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2014

(CSS)

Zoology

ZO 2 CT 04—PHYSIOLOGY

Time : Three Hours

Maximum : 36 Weightage

Part A

Answer all questions.

1. What is Myocardial Infarction ?
2. What is Obesity ? Name a few causes.
3. Explain gastric motility and emptying.
4. Write an creatinine clearance.
5. How does urine get concentrated in the Kidney.
6. Effect of PO_2 on oxygen binding by Hemoglobin.
7. What is Alzheimer's disease ?
8. Explain the functioning of gills.
9. Write a note on lymph.
10. Draw a labelled diagram of Neuron.
11. What is comfort zone ?
12. Define the pulmonary volumes.
13. What is reflex arc ?
14. Explain water balance.

(14 × 1 = 14 weightage)

Part B

Answer any seven of the following.

15. Describe limbic system and its functions.
16. Describe the cardiac cycle.
17. Write on pain receptors.
18. Explain polysynaptic reflex.

Turn over

19. Describe the role of rods and cones.
20. Describe the role of lungs and kidneys in regulating Acid-Base balance.
21. Define various capacities of the lungs.
22. Give the importance of antioxidant nutrients in diet.
23. Write a note on blood volume and blood pressure.
24. Explain short term and long term memory.

(7 × 2 = 14 weight)

Part C

Answer any **two** of the following.

25. Explain the electro-physiology of vision.
26. What are ischemic heart diseases ? Mention the causes.
27. Explain the role of endocrine system in the regulation of body temperature.
28. Write briefly on brain stem components and their functions.

(2 × 4 = 8 weight)