

C 4681

(Pages : 2)

Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2016

(CUCSS)

Zoology

ZO 2C T04—PHYSIOLOGY

Time : Three Hours

Maximum : 36 Weightage

Part A

Answer all questions.

Each question carries 1 weightage.

1. What is tidal volume ?
2. Mention the eye ball muscles of man
3. Write notes on abnormal constituents of urine
4. What is schizophrenia ?
5. What is counter current exchanger ?
6. Write notes on the role of gastrin and secretin in nutrition.
7. What is renal clearance ?
8. Explain myogenic heart.
9. Comment on the role of liver in fat digestion.
10. What is RDA ?
11. Write down any *four* functions of lymph.
12. What do you know about pain receptors ?
13. Explain gastric motility and emptying.
14. What is ctinidia ?

(14 × 1 = 14 weightage)

Part B

Answer any seven of the following.

Each question carries 2 weightage.

15. Explain digestion of proteins.
16. Describe the structure and functions of limbic system.
17. Explain the structure of human brain.

Turn over

18. Comment on the neural regulation of heart function.
19. Elucidate the mechanisms of thermoregulation at low temperature.
20. Write notes on mechanoreceptors and their stimulation.
21. Explain the principle and applications of ECG.
22. Write notes on taste buds and their functions.
23. Explain the different types of memory.
24. Comment on coronary blood flow and its control.

(7 × 2 = 14 weightage)

Part C

*Answer any two of the following
Each question carries 4 weightage.*

25. Explain the functional anatomy of mammalian kidney.
26. Give an account on Carbon di Oxide and Oxygen transport.
27. Give an account on digestion and absorption of carbohydrates.
28. Write an account on electrophysiology of vertebrate vision.

(2 × 4 = 8 weightage)