

22P214

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Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2023

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ZOL2 C04 - PHYSIOLOGY

(Zoology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Explain an antioxidant nutrients. Add a note on importance of antioxidants in food.
2. Explain in detail pulmonary volumes.
3. Explain the fluid systems in eye.
4. Explain the receptors of taste buds in humans.
5. Explain the process of smell signal transmission to CNS.
6. Explain SA Node.
7. Explain the consolidation of memory.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Describe the factors affecting lymph flow. Describe the lymph channels with suitable diagram.
9. Explain urine formation with the help of a diagram.
10. Explain renal regulation of acid-base balance and electrolyte balance.
11. Discuss the details of reflex action.
12. Discuss the details of neural and chemical regulation of heart.
13. Explain coronary blood flow and its regulation.
14. Explain about the formation and function of CSF.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Describe the temperature regulating mechanisms of body. Mention the role of hypothalamus, thyroid and adrenal glands.
16. Give a detailed account on neural and chemical control of respiration.
17. Give a detailed account on Physiology of pain receptors.
18. Describe in detail the functional areas of cerebral cortex and their functions.

(2 × 5 = 10 Weightage)
