

25P214

(Pages: 2)

Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2026

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PZOL2C04 - PHYSIOLOGY

(Zoology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Explain the role of salivary glands in digestion? Comment on defecation.
2. List the components and major functions of the lymphatic system.
3. Describe tubular reabsorption and tubular secretion in mammalian kidney.
4. Describe renal regulation of electrolyte balance.
5. Define taste buds.
6. Explain the process of smell signal transmission to CNS.
7. What is alzheimer's disease?

(4×2 = 8 Weightage)

Part-B

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

8. Explain alveolar ventilation, role of surfactants and exchange of gases.
9. Give a brief account on myoglobin.
10. Distinguish between ANS and PNS.
11. Give a detailed account on electero physiology of vision.
12. Give the details of physiological anatomy of cardiac muscle.
13. Describe cardiac cycle.
14. Give details of blood volume and blood pressure.

(4 × 3 = 12 Weightage)

Part-C

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

15. Give an account on the temperature regulating mechanisms of the body. Explain the role of endocrine system in the regulation of body temperature.
16. Discuss the details of endocrine system in regulating body temperature.
17. Describe in detail the functional areas of cerebral cortex and their functions.
18. Explain the structure of brain stem, cerebellum and diencephalon and its functions.

(2 × 5 = 10 Weightage)
