

24P214

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Name :

Reg. No :

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025

(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 intestinal motility.
2. Comment on the lymph channels of body with suitable diagram.
3. Explain regulation of water balance by mammalian kidney.
4. Explain the location of taste buds in humans.
5. Explain the process of stimulation of olfactory cells.
6. Explain the stimulation of nociceptors.
7. Explain the organisation and function of basal nuclei.

(4 × 2 = 8 Weightage)

Part-B

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

8. Describe the term acclimatization. Give an account on comfort zone and normal body temperatures.
9. Explain different types of excretory organs found in different animal groups.
10. Discuss the neural and chemical regulation of respiration.
11. Explain the structure of spinal cord.
12. Discuss the details of double circulation.
13. Explain the mechanism of coronary blood flow and its control.
14. Explain blood brain barrier and its functions.

(4 × 3 = 12 Weightage)

Part-C

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

15. Describe physiological anatomy and histology of respiratory passage and lungs.

16. Give a detailed account on electrophysiology of vertebrate vision.
17. Give a detailed account on myogenic heart.
18. Discuss in detail various diseased states of the brain.

(2 × 5 = 10 Weightage)
