

**D 140717**

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)  
EXAMINATION, APRIL 2026**

(CBCSS)

Zoology

ZOL2C04—PHYSIOLOGY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

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

- 1 BMR and its significance.
- 2 Green glands.
- 3 Acclimatization
- 4 Structure of haemoglobin.
- 5 Alzheimer's disease.
- 6 Meninges.
- 7 'Cardiac muscle does not fatigue'. Discuss.

(4 × 2 = 8 weightage)

II. Answer any *four* questions. Each question carries 3 Weightage.

- 8 Reflex arc.
- 9 Cardiac cycle.
- 10 Functions of visual cortex.
- 11 Mechanism of stimulation of taste buds.
- 12 Functions of lymphatic system.

**Turn over**

13 Hormonal control of gastro-intestinal motility.

14 Temperature regulating mechanisms.

(4 × 3 = 12 weightage)

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

15 Explain the mechanism of carbon dioxide transport. Add a note on neural regulation of respiration.

16 Write an essay on structural organization of limbic system.

17 Describe the photochemistry of vision. Add a note on colour vision.

18 Explain the various steps involved in urine formation.

(2 × 5 = 10 weightage)