



K23U 2387

Reg. No. :

Name :

**V Semester B.Sc. Degree (CBCSS – O.B.E. – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 – 2021 Admissions)
CORE COURSE IN ZOOLOGY
5B06ZLG : Animal Physiology**

Time : 3 Hours

Max. Marks : 40

Instruction : Give illustrations and figures **wherever** necessary.

- I. Essay questions. **Each** question carries **8** marks. Answer **any two**. (2×8=16)
- 1) Elaborate the ultrastructure of skeletal muscle. Describe the events associated with muscle contraction.
 - 2) Elaborate the process of urine formation.
 - 3) Write an essay on the major endocrine glands in man and their associated hormones.
 - 4) Explain how a nerve impulse is conducted along a nerve fibre.
- II. Short Essay. **Each** question carries **4** marks. Answer **any two**. (2×4=8)
- 5) Explain sliding filament theory.
 - 6) Explain oestrus cycle.
 - 7) Explain how carbon dioxide is transported in human body.
- III. Short answer questions. **Each** question carries **2** marks. Answer **any six**. (6×2=12)
- 8) Define ossification. Which are the types of ossification ?
 - 9) Differentiate between uniport and symport system.
 - 10) Write a note on placental hormone.
 - 11) Which are the functions of connective tissue ?
 - 12) What is the peculiarity of SA node ?
 - 13) Define summation of action potential.
 - 14) Write a short note on cholecystokinin.
 - 15) Define osmoconformers.

P.T.O.

