



K25U 2955

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS – OBE – Supplementary/Improvement)
Examination, November 2025
(2019 to 2023 Admissions)
COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY
3C 03 ZLG : Animal Physiology

Time : 3 Hours

Max. Marks : 32

I. Essay questions. Answer **any two**. (2×6=12)

- 1) Briefly describe the structure and functions of human brain.
- 2) Write an essay on the transport of respiratory gases in human body.
- 3) Give an account on the different types of nutrition.
- 4) Explain the structure of nephron with the help of a labelled diagram.

II. Short essay questions. Answer **any two**. (2×3=6)

- 5) Briefly explain the glomerular filtration.
- 6) Write a note on adrenal hormones and their functions.
- 7) Comment on the compound stomach of ruminants.

III. Short essay questions . Answer **any six**. (6×2=12)

- 8) Differentiate between mesonephric and metanephric kidneys.
- 9) What is a sarcomere ?
- 10) Comment on the role of placenta as an endocrine organ.
- 11) What is pace maker ?
- 12) Write short note on haemoglobin.
- 13) Name the muscle proteins.
- 14) Comment on synaptic transmission.
- 15) Give an account on gastric digestion.

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IV. Multiple choice questions. **All questions compulsory**. (4×0.5=2)

- 16) Pleura is the double walled covering of
 - a) Heart
 - b) Kidney
 - c) Brain
 - d) Lungs
- 17) Which among the following is a rheoreceptor ?
 - a) Lateral line sense organ
 - b) Ampullae of Lorenzini
 - c) Jacobson's organ
 - d) Organ of Corti
- 18) Alpha cells of Islets of Langerhans secrete.
 - a) Oxytocin
 - b) Glucagon
 - c) Choecystokinin
 - d) Insulin
- 19) Ammonotelism is exhibited by
 - a) Bony fishes
 - b) Amphibians
 - c) Reptiles
 - d) Birds