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Roll No.

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M.Sc. (Fourth Semester)

Examination, 2024-25

ZOOLOGY

Paper – XIX

(Endocrinology and Animal Behaviour)

(ZOOL-C-016)

Time : Two Hours]

[Maximum Marks : 60

Note : Attempt any *four* questions. All questions carry equal marks.

1. Write a detailed note on hormones of adrenal cortex and medulla. Discuss their physiological action also.
2. Discuss the hormone biosynthesis in reference to protein-peptide hormones and steroids.
3. Discuss the role of G proteins and cyclic AMP in hormone action.
4. Describe the physiological actions of ovary.

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[P.T.O.]



5. Discuss different types of learning behaviour.
 6. Write short notes on the following :
 - (a) Biological clock.
 - (b) Photoperiodism.
 7. Discuss chemoreception in insects fish and mammals.
 8. Explain hormonal control of behaviour.
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