

35103

M.Sc. DEGREE EXAMINATION, OCTOBER / NOVEMBER 2018.

THIRD SEMESTER

Zoology

Paper III — ENDOCRINOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Classification of Hormones.
2. Characteristic features of Hormones.
3. Hormones of Testis.
4. Thyroid Hormones.
5. Hormones in crustaceans.
6. Catecholamines.
7. Growth Hormones.
8. Hormones – Pharmaceutical industry.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Write briefly about Mechanism of action of Peptide Hormone with suitable example.

Or

10. Write about the salient features of Pheromones.

11. Write about the structure and functions of Thyroid and parathyroid Hormones.

Or

12. Explain the role of Hormones in Female sexual cycle, Pregnancy and Lactation.

13. Write briefly about the Hormonal control of growth, development and reproduction in Insects.

Or

14. Define Hormone Receptor. Write briefly about Receptor structure and signal transduction mechanism - G – Protein family.

15. Write briefly about role of Hormones in the maintenance of Homeostasis.

Or

16. Write about the pathways of Hormonal regulation with reference to Carbohydrate metabolism.

