

M.Sc. (Zoology) (CBCS Pattern) Semester-II  
**PSCZOOT06 - Paper-VI - Comparative Endocrinology**

P. Pages : 1

Time : Three Hours



**GUG/S/25/11225**

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Draw a well labelled diagram, wherever necessary.

1. Give an account of neurosecretory system in Mollusca. 16

**OR**

Write notes on –

- a) Neuroendocrine system in Annelida.
- b) Hormones and functions in Echinodermata

2. Write an essay on neuroendocrine system in Crustacean. 16

**OR**

Write notes on –

- a) Colour change mechanism in Crustacea
- b) Cephalic neuroendocrine system in insects

3. Give an account of structure, hormones and functions of Thyroid gland. 16

**OR**

Write notes on –

- a) Hormones of pituitary gland.
- b) Hypothalamo – hypophysial system.

4. Describe in detail the structure, hormones and functions of Adrenal gland. 16

**OR**

Write notes on-

- a) Gonadal hormones in vertebrates and their feedback mechanisms.
- b) Hormones and functions of gastro-intestinal tract.

5. Attempt the following- 16

- a) Hormones in Helminths
- b) Endocrine control of metamorphosis in insects.
- c) Hormones and functions of Pineal organ
- d) Parathyroid gland.

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