

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

P. Pages : 1

Time : Three Hours



GUG/W/24/11225

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 Annelida. 16

OR

Write notes on-

- a) Neuroendocrine system in Mollusca
- b) Hormones and functions in Coelenterata

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

OR

Write notes on –

- a) Endocrine control of metamorphosis and colour change mechanism in Crustacea
- b) Cephalic neuroendocrine system in insects.

3. Give an account of cell types, hormones and functions of Pituitary gland. 16

OR

Write notes on –

- a) Thyroid gland
- b) Hypothalamo – hypophysial system.

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

OR

Write notes on –

- a) Parathyroid glands
- b) Gonadal hormones in vertebrates and their hormonal actions

5. Attempt the following- 16

- a) Hormones in Echinodermata
- b) Endocrine control of reproduction in insects
- c) Hormones and functions of Pineal organ
- d) Endocrine pancreas
