

M.Sc.-I (Zoology) (CBCS Pattern) Semester - II
PSCZOOT06 - Core Paper VI (Credits 4) : Comparative Endocrinology

P. Pages : 1

Time : Three Hours



GUG/S/23/11225

Max. Marks : 80

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

1. Write an essay on neuroendocrine system of Mollusca. **16**

OR

Write notes on:

- a) Hormones of Echinodermata. **8**
- b) Neurosecretory system in Annelida. **8**

2. Write an essay on Endocrine control of metamorphosis in insects. **16**

OR

Write notes on:

- a) Cephalic neuroendocrine system in insects. **8**
- b) Neuroendocrine system in crustacean. **8**

3. Write an essay on Hypothalamo hypophysical system. **16**

OR

Write notes on:

- a) Pituitary gland hormones and their functions. **8**
- b) Structure of thyroid gland. **8**

4. Write an essay on Gonadal hormones in vertebrates and their hormonal actions. **16**

OR

Write notes on:

- a) Gastro-entero-pancreatic endocrine system. **8**
- b) Hormones of Parathyroid ultimobranchial gland. **8**

5. Attempt the following. **16**

- a) Hormones of Helminths.
- b) Colour change mechanism in Crustacea.
- c) Structure of Pineal organ.
- d) Structure of Adrenal gland.
