

M.Sc. - I (Zoology) (NEP Pattern) Semester-II
02MSCZO02 - DSC Paper-II : Comparative Endocrinology

P. Pages : 1

Time : Three Hours



GUG/W/24/15425

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers with suitable diagrams.

1. Describe Neurosecretory system in annelids. 16

OR

- a) Structure of Endocrine system in Helminthes.
- b) Endocrine system in Echinodermata.

2. Describe endocrine control of Metamorphosis and reproduction in Insects. 16

OR

- a) Structure of neuroendocrine system in crustacea.
- b) Cephalic neuroendocrine system in Insects.

3. Describe in detail pituitary gland, its hormones and functions. 16

OR

- a) Structure and hormones of thyroid gland.
- b) Describe in detail hormones and functions of hypothalamus.

4. Describe structure of adrenal gland. Add a note on its hormones and functions. 16

OR

- a) Parathyroid gland.
- b) Endocrine pancreas.

5. Attempt the following. 16

- a) Molluscan Hormones.
- b) Endocrine control of moulting.
- c) Hypothalamo-hypophysial axis.
- d) Feedback mechanism.
