

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

P. Pages : 1

Time : Three Hours



GUG/S/25/15425

Max. Marks : 80

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

1. Structure of neurosecretory system in Annelida, mention hormones and their functions. 16

OR

- a) Explain Hormones and functions in Echinodermata.
- b) Describe functions of hormones in coelenterates.

2. Give a detailed account on neuroendocrine system structure and hormones of insects. 16

OR

- a) Explain Endocrine control of metamorphosis in insects.
- b) Write structure of neuroendocrine system in crustacean.

3. Give a detailed account on Thyroid gland, structure, hormones and functions. 16

OR

- a) Describe hormones of pituitary gland and functions.
- b) Describe structure and hormones of pineal organ.

4. Give a detailed account on Adrenal gland structure, hormones and functions. 16

OR

- a) Explain regulatory mechanisms of hormones of parathyroid gland.
- b) Describe Gonadal hormones in vertebrates and their functions.

5. Write short notes on the following. 16

- a) Hormones in Mollusca.
- b) Colour change in crustacea
- c) Hypothalamic nuclei
- d) Hormones of Gastrointestinal tract
