

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

P. Pages : 1

Time : Three Hours



**GUG/W/22/11225**

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. Write an essay on hormones & their functions in Echinodermata. **16**

**OR**

- a) Hormones of coelenterata  
b) Neurosensory system in Annelida.

2. Give an account on Neuroendocrine system in crustacea. **16**

**OR**

- a) Cephalic neuroendocrine system in insects.  
b) Endocrine control of metamorphosis in insects.

3. Describe the structure of Thyroid gland and add a notes on its hormones & their function. **16**

**OR**

Write notes on:

- a) Hormones of Pineal gland.  
b) Hypothalamo hypophyseal system

4. Give detail account on gonadal hormones in vertebrates; add a note on their functions. **16**

**OR**

Write notes on:

- a) Endocrine pancreas  
b) Structure of Adrenal gland

5. Attempt the followings. **16**

- a) Neurohormones in Mollusca.  
b) Color change mechanism in crustacea.  
c) FSH.  
d) Parathyroid gland.

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