

M.Sc.(Zoology) (C.B.C.S. Pattern) Sem-IV
PSCZOOT14.3-Special Group - Mammalian Reproductive Physiology-III
(Reproductive Endocrinology) Paper-XIV

P. Pages : 1

Time : Three Hours



GUG/W/19/11431

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw a well labelled diagram whenever required.

1. Write a note on Anatomy & cytoarchitecture of hypothalamus. 16

OR

Write a notes on:

- a) Releasing & release inhibiting hormones.
- b) Neurotransmitters.

2. Write a note on Anatomy and cytology of Neurohypophysis. 16

OR

Write notes on:

- a) Structure and function of gonadotrophic hormones.
- b) Cytology of Neurohypophysis.

3. Describe hypothalamo hypophyseal tests is axis. 16

OR

Write notes on:

- a) Hypothalamo hypophyseal thyroid gonad axis
- b) Biosynthesis and mode of action of inhibin.

4. Write a note on estrogen biosynthesis, mode of action, transport & functions. 16

OR

Write notes on:

- a) Hypothalamic-hypophyseal-ovarian axis
- b) Hypothalamic-hypophyseal adrenal gonad axis.

5. Attempt the following. 16

- a) Feedback regulatory mechanism.
- b) Hormones of pars intermedia.
- c) Biosynthesis of the Androgen.
- d) Mode of action of progesterone.
