

M.Sc. (Part-II) (Zoology) (NEP Pattern) Semester-IV
04ZOO003.2 / 04MSCZ003 DSE Paper-II
Mammalian Reproductive Physiology-II

P. Pages : 1

Time : Three Hours



GUG/S/25/16385

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 a note on folliculogenesis and its hormonal control. 16

OR

- a) Corpus luteum.
- b) Development of chorio - allantoic placenta.

2. Give a detailed account on Chemical toxicants and Testicular toxicity. 16

OR

- a) Gonadal toxicity and interruption of pregnancy by pesticides.
- b) Lactation and its regulation.

3. Give a brief account on Hypothalamo- Hypophysial- Gonadal axis. 16

OR

- a) Biosynthesis and mode of action of Testosterone hormone.
- b) Biosynthesis, mode of action, transport and function of progesterone.

4. Write a note on Antibodies for acrosomal enzymes and sperm surface proteins. 16

OR

- a) Vasectomy and reversible vas occlusion.
- b) Anti-androgen and anti-spermiogenic compounds.

5. Attempt the following 16

- a) Yolk Sac.
- b) Pregnancy diagnosis.
- c) Functions of oestrogen.
- d) LH-RH antagonist
