

M.Sc.(Zoology) (CBCS Pattern) Semester - II  
**PSCZOOT08 - Paper-VIII : Advanced Developmental Biology**

P. Pages : 1

Time : Three Hours



**GUG/S/23/11227**

Max. Marks : 80

- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Draw diagrams wherever necessary.

1. Describe in detail Types, Structure and functions of Foetal membrane. **16**

**OR**

Write notes on:

- a) Implantation in Mammals.
- b) Types of Placenta.

2. Give an account of Regeneration of Tail and Limb in Vertebrates **16**

**OR**

Write notes on:

- a) Apoptosis Mechanism.
- b) Polymorphism in Termites.

3. Give an account of Multiple Ovulation and Embryo Transfer (M.O.E.T). **16**

**OR**

Write notes on:

- a) Cloning of Animals.
- b) Application of Embryonic Stem Cells.

4. Describe in detail role of Mutants and Transgenics in Human Welfare. **16**

**OR**

Write notes on:

- a) I.U.C.D. Devices.
- b) Immunocontraception.

5. Attempt the following: **16**

- a) Metamorphosis in Amphibia.
- b) Ageing.
- c) ICSI.
- d) Anti Spermogenic Compounds.

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