

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

P. Pages : 1

Time : Three Hours



GUG/S/19/11227

Max. Marks : 80

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

1. Give a details of Metamorphosis in Amphibia. **16**

OR

Write notes on :

- a) Foetal membranes.
- b) Hormones of placenta and their functions.

2. Describe in details polymorphism in Insect. **16**

OR

Write notes on.

- a) Apoptosis.
- b) Ageing.

3. Give a general account on Multiple ovulation and embryo transfer technology (MOET). **16**

OR

Write notes on:

- a) Cloning of animals by nuclear transfer.
- b) Genetic disorder diagnosis.

4. Explain in details, Role of mutants and transgenics in human welfare. **16**

OR

Write notes on:

- a) Immunocontraception.
- b) Classical contraceptive techniques.

5. Attempt the following. **16**

- a) Implantation in Mammals.
- b) Regeneration of tail.
- c) Application of embryonic stem cells.
- d) Anti-Androgen.
