

M.Sc. (Zoology) (NEP Pattern) Semester-IV
04MSCZOO2 / 04ZOO002 - DSC Paper-II : Developmental Biology

P. Pages : 1

Time : Three Hours



GUG/S/25/16383

Max. Marks : 80

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

1. Write an essay on Foetal Membranes. 16

OR

Write notes on-

- a) Hormones of placenta.
- b) Metamorphosis in Amphibia.

2. Give detail account on mechanism and significance of Apoptosis. 16

OR

Write notes on-

- a) Regeneration of limbs tail
- b) Polymorphism in Honey-bees

3. Describe in detail of Cloning of animal by nuclear transfer. 16

OR

Write notes on-

- a) Embryonic Stem Cell
- b) MOET

4. Write an Essay on role of Mutants and Transgenic in Human Welfare. 16

OR

Write notes on-

- a) Pregnancy Terminators
- b) IUCD

5. Attempt to the following: 16

- a) Implantation
- b) Ageing
- c) GIFT
- d) Anti-Androgen
