

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11227

Max. Marks : 80

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

1. Explain in detail Implantation in mammals. **16**
OR
Write notes on
a) Types of placenta, structure, function.
b) Morphogenetic and biochemical mechanism in Amphibia
2. Describe in details Regeneration in vertebrates. **16**
OR
Write note on
a) Ageing
b) Polymorphism in Ants
3. Explain in details cloning of animals by nuclear transfer. **16**
OR
Write note on-
a) Embryonic stem cells
b) Embryonic sexing
4. Give a account on Immunocontraception. **16**
OR
Write note on-
a) Anti-androgen and anti-spermiogenic compound.
d) Role of mutants.
5. Attempt the following. **16**
a) AMNION
b) Apoptosis
c) Embryo transfer technology
d) IUCD
