

M.Sc. (Zoology) (CBCS Pattern) Sem-I
PSCZOOT04 - Advanced Reproductive Biology Paper-IV

P. Pages : 1

Time : Three Hours



GUG/W/22/11178

Max. Marks : 80

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- Notes : 1. All questions are compulsory.
2. All questions carry equal marks.
3. Illustrate your answer with suitable diagrams.

1. Give an account on methods of sexual and asexual reproduction in protozoa **16**
OR
Write notes on.
a) Regeneration in Hydra.
b) Complete metamorphosis in insects.
2. Write an essay on cleavage. **16**
OR
Write notes on.
a) Ultrastructure of spermatozoa of man
b) Cytological events of Fertilization.
3. Give an account on pheromones. **16**
OR
Write notes on.
a) Sperm capacitation and decapacitation
b) Biochemical composition of semen
4. Describe in detail the molecular induction and organizer concept. **16**
OR
Write notes on.
a) Neurohormonal control of fish reproduction.
b) In vitro fertilization (IVF)
5. Attempt the following. **16**
a) Vitellogenesis
b) Polar body
c) Prostate gland
d) Test tube baby
