



B.Sc. Part - I
Zoology - III
(Gamete & Development Biology)

Part I is compulsory. It includes Q. No. 1 having ten short answer questions and each question carries 1 mark.

- 1) Answer the following questions in one word or on sentence only -
- a) Who proposed biogenetic law theory of recapitulation?
 - b) Define Ontogenic Development
 - c) Define gastrulation.
 - d) What type of eggs is found in mammals?
 - e) What is blastula?
 - f) Define recapitulation theory?
 - g) Define is placentation?
 - h) What is regeneration?
 - i) Define autologous transplant?
 - j) Define ageing?

Part - II

Section A

- Q.2. Define gametogenesis. Give a detail account on spermatogenesis.
- Q.3. Write an essay on fertilization.
- Q.4. Write notes on the following
- a) Parthenogenesis
 - b) Structure of sperm

Section B

- Q.5. Write short notes on following: -
- a) Emboly
 - b) Primary organizer
- Q.6. Define blastulation. Describe the different type of blastula.

Q.7. Describe histological type of placenta.

Section C

Q.8. Write an essay on teratology.

Q.9. Write short notes on -

(a) Xenobiotics

(b) Cell cloning

Q.10. Write an essay on animal cloning.