

D6BZL2302

Reg. No.....

Name:

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2026
(Regular/Improvement/Supplementary)**

ZOOLOGY

GZOL6B11T: REPRODUCTIVE AND DEVELOPMENTAL BIOLOGY

Time: 2 Hours

Maximum Marks: 60

**SECTION A: Answer the following questions. Each carries *two* marks.
(Ceiling 20 marks)**

1. What are the features of Human placenta?
2. Mention the steps involved in the gastrulation of Amphioxus.
3. What are the hormones involved in amphibian metamorphosis?
4. Mention cleavage in chick.
5. What is implantation?
6. Give the ductal system in human Testis.
7. Comment on cloning experiment in Sheep.
8. What are the effects of Alcohol on foetus?
9. What is Thelytoky? Give an example.
10. Give the structure of Graafian follicle.
11. Mention the methods to construct fate map.
12. Comment on cryopreservation.

**SECTION B: Answer the following questions. Each carries *five* marks.
(Ceiling 30 marks)**

13. Explain the hormonal control of parturition.
14. Describe the different types of Blastula.
15. What is cell differentiation? Explain with an example.
16. Explain spermatogenesis.
17. What are organizers? Explain with examples.
18. What are egg membranes? Give its functions.
19. Enlist the chemical and hormonal methods for fertility control.

SECTION C: Answer any *one* question. The question carries *ten* marks.

20. Explain the organogeny of Frog Eye.
21. Discuss the development and functions of extra embryonic membranes in chick.

(1 × 10 = 10 Marks)