

19U617

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Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2022

(CBCSS - UG)

CC19U ZOL6 B11 - REPRODUCTIVE AND DEVELOPMENTAL BIOLOGY

(Zoology - Core Course)

(2019 Admission - Regular)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Explain the significance of reproductive strategies in animals.
2. Mention the functions of Sertoli cells.
3. What is IVF? Explain the steps associated with it.
4. What is arrhenotoky? Give example.
5. Define teratology. Name two teratogens.
6. Distinguish between protostomes and deuterostomes.
7. What is telolecithal egg?
8. What is morula?
9. What is chordomesoderm?
10. Explain positive feedback mechanism in hormone action of frog.
11. What is fate map?
12. What is exogastrulation?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. What is PNMT act and discuss on female foeticide?
14. Explain the different methods of fertility control.

15. Describe the process of implantation in man.
16. Explain the process of cellular differentiation with an example.
17. Discuss coelom formation in frog.
18. Explain the structure of primitive streak in chick.
19. Describe development of amnion and chorion in chick.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Explain in detail different phases of menstrual cycle and their hormonal control.
21. Explain gastrulation in frog.

(1 × 10 = 10 Marks)
