

20U617

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Name:

Reg.No:

SIXTH SEMESTER B.Sc DEGREE EXAMINATION, APRIL 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U ZOL6 B11 - REPRODUCTIVE AND DEVELOPMENTAL BIOLOGY

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. What is iteroparity? Give examples.
2. What is corpus luteum? What is its significance?
3. Enlist the hormones associated with parturition.
4. What are homeotic genes? Mention the function.
5. What is arrhenotoky? Give example.
6. What are gemmules?
7. What is mosaic theory ?
8. Explain gastrulation in Amphioxus.
9. What is cytoplasmic streaming?
10. What is retrogressive metamorphosis?
11. What is sinus terminalis?
12. What is fate map?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Discuss the various technologies used to solve infertility problems.
14. Differentiate between chorionic vilus sampling technique and amniocentesis.
15. Describe the process of implantation in man.
16. Discuss the teratogenic effects of drugs and chemicals in vertebrates.
17. Explain egg membranes.

18. Explain extra embryonic membranes in chick.

19. Describe organizer.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe various methods of fertility control.

21. Explain development of brain in frog.

(1 × 10 = 10 Marks)
