

21U617

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Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APIL 2024

(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. Explain the hormonal control of menstrual cycle.
3. What is rhythm method?
4. What is interstitial implantation? Give an example.
5. Explain homeotic mutations.
6. Distinguish between protostomes and deuterostomes.
7. What is mesentoblast?
8. What is copulation path?
9. What is aqueduct of Sylvius?
10. What is latebra?
11. What is vital staining?
12. What is double gradient theory?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. What are the accessory reproductive organs and glands in male?
14. Differentiate between chorionic vilus sampling technique and amniocentesis.
15. Explain the process of cellular differentiation with an example.
16. Explain the environmental disruption of animal development caused by nicotine and alcohol.

17. Discuss classification of egg based on quality of yolk.
18. Explain categories of changes during metamorphosis in frog.
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. Describe various Assisted Reproductive Technologies with a short notes on test tube babies.
21. Describe neurulation in Amphioxus.

(1 × 10 = 10 Marks)
