

TB246939F

Reg. No : .....

Name : .....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024

2021 ADMISSIONS REGULAR

SEMESTER VI - CORE COURSE (ZOOLOGY )

ZY6B09B18 - Developmental Biology

Time : 3 Hours

Maximum Marks : 60

**Part A****I. Answer any Ten questions. Each question carries 1 mark****(10x1=10)**

1. Define corpus luteum. Mention its function.
2. Explain Germplasm theory.
3. Distinguish between Invagination and Delamination.
4. What are maternal effect genes. Give an example.
5. How do you differentiate between Unipotency and Pleuripotency of a cell?
6. Explain the influence of yolk on cleavage.
7. What is Amplexus? Give an example.
8. Write any two functions of allantois.
9. Write any two functions of amnion.
10. Describe implantation of the blastocyst.
11. Name any two infections that can cause birth defects.
12. Write a note on the cotyledonary placenta.

**Part B****II. Answer any Six questions. Each question carries 5 marks****(6x5=30)**

13. Explain natural parthenogenesis.
14. Comment on hormonal control of menstrual cycle.
15. Differentiate between Stereoblastula and Periblastula. Sketch and label.
16. Define Cleavage? List the different patterns of cleavage.
17. Write a note on lactation.
18. Write a note on the 24-hour chick embryo.
19. Write the functions of extra embryonic membranes in chick.
20. Describe the development and role of the Primitive streak in the chick.
21. Explain the causes of Still birth.

**Part C****III. Answer any Two questions. Each question carries 10 marks****(2x10=20)**

22. Briefly describe human reproductive organs.
23. Define Blastula. Explain different types of Blastula. Sketch and Label.
24. Write an essay on different Contraceptives and birth control.
25. Write an essay on regeneration.