

Reg. No.....

Name.....

**B.Sc. DEGREE END SEMESTER EXAMINATION - APRIL 2021****SEMESTER –6: ZOOLOGY (CORE COURSE)****COURSE: U6CRZOO09: REPRODUCTIVE AND DEVELOPMENTAL BIOLOGY***(For Supplementary - 2014 Admission)*

Time: Three Hours

Max Marks: 60

**PART A*****Give brief description on the following (Answer all questions)***

1. Write notes on grey crescent
2. What is Blastema?
3. Write the name of an egg in which stereoblastula present
4. Define cloning.
5. What is Biogenetic law?
6. Define Implantation
7. What are Neural crest cells
8. Comment on corpus luteum

**(1 x 8 = 8)****PART B*****Answer any Six***

9. Differentiate between organizers and inducers.
10. Brief on delayed nucleation experiments
11. Write notes on types of stem cells with examples for each
12. Differentiate between penetration path and copulation path
13. Explain chorionic villus sampling
14. Draw the structure of blastocyst.
15. What is monosomy and nullisomy?
16. Differentiate between GIFT and ZIFT

**(2 x 6 = 12)****PART C*****Answer any Four***

17. Write on prenatal diagnostic techniques
18. Classify eggs based on amount and distribution of yolk
19. Describe morphogenetic movements.
20. Comment on different types of cleavages with examples
21. Describe the various methods of ART
22. Explain the procedure of IVF.

**(5 x 4 = 20)****PART D*****Answer any 2***

23. Write an essay on parthenogenesis and its significance.
24. Write an essay on different types of placenta. Add a note on its functions
25. Write on different types of blastula with examples for each
26. Elaborate on different types of chromosomal structural abnormalities.

**(10 x 2 = 20)**

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