

2024

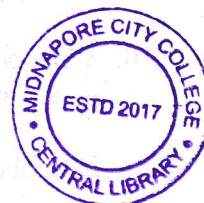
6th Semester Examination

ZOOLOGY (Honours)

Paper : C 13-T

[Developmental Biology]

[CBCS]



Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. Write the significance of fate map?
2. What is teratogenesis?
3. What is spermateleosis?
4. Distinguish between blastula and gastrula.
5. What is deciduate placenta?
6. What is organizer?
7. What do you mean about implantation?
8. What is amphimixis?

P.T.O.



(2)

Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Describe the process of oogenesis in mammals.
10. Write down the names of different teratogenic agents with their effects on embryonic development.
11. Describe the gastrulation process in frog.
12. Mention the types and functions of different egg membranes.
13. Describe the development process of eye in vertebrate.
14. What is epimorphic and morphallactic regeneration? Give example. Write different modes of regeneration.

$2\frac{1}{2} + 2\frac{1}{2}$

Group - C

Answer any *one* question : $10 \times 1 = 10$

15. What is fertilization cone? Describe the process of acrosome reaction and capacitation. $2+4+4$
16. What is placenta? Classify the placenta based on distribution of villi and histology. Mention the positive and negative functions of placenta. $2+5+3$