



UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 6th Semester Examination, 2021

CC13- ZOOLOGY

DEVELOPMENTAL BIOLOGY

Full Marks: 40

ASSIGNMENT

*The questions are of equal value.
The figures in the margin indicate full marks.*

Answer any four questions

10×4 = 40

1. Briefly describe the Extra-embryonic membranes in chick and mention their functions with suitable diagrams.
2. Describe briefly alcohol, smoking, retinoic acid, lead, and Bisphenol A (BPA) as teratogens and their effects on embryonic development.
3. With suitable diagrams briefly describe the structure, types and functions of placenta with special reference to histology.
4. Describe the process of spermatogenesis with suitable diagram.
5. Describe the process of gastrulation in frog with suitable diagrams.
6. Describe the process of internal fertilization that you studied.
7. Discuss on fate map of chick with a comment on different techniques of fate map construction and its utility.
8. Elucidate the process of development of eye in chick with suitable sketches.

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