



UNIVERSITY OF NORTH BENGAL
B.Sc. Programme 2nd Semester Examination, 2021

DSC2-ZOOLOGY

COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES

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. Elaborate the gastrulation process in toad with suitable diagram.
2. Describe briefly the succession of kidney development in vertebrates with suitable diagram.
3. Describe different types of accessory respiratory organs in fish with suitable diagram.
4. Classify teeth according to their degree of modification in vertebrates with suitable diagram.
5. Explain the process of prevention of polyspermy in Sea urchin.
6. Give a comparative account of aortic arches of amphibia, bird and mammal with suitable labelled diagram.
7. Classify placenta with diagrams on the basis of histology.
8. Describe the basic structure of stomach with the characteristics with a labelled diagram of Ruminant stomach.

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