



UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 4th Semester Examination, 2021

CC8- ZOOLOGY

COMPARATIVE ANATOMY 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. Give an account of the integument and its derivatives in mammals.
2. Give an account of the appendicular skeleton of a tetrapod limb.
3. Describe comparative anatomy of heart in reptiles, birds and mammals with suitable diagrams.
4. Give a detailed account of respiratory organs in birds with a note on the significance of double respiration.
5. Describe aortic arches in fishes and amphibians.
6. Discuss on the classification, distribution and functions of receptors in vertebrates.
7. Give a comparative account of brain in fish, amphibia and reptiles.
8. Give a brief account of the dentition in mammals with a note on its evolutionary significance.

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