



**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Honours 3rd Semester Examination, 2020

**CC5-ZOOLOGY**

**CHORDATES**

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

**Answer to each question should not exceed 300 words**

1. Classify class Reptilia up to Order with distinguishing characteristics and proper examples. 10
2. Name different zoogeographical realms with their sub-divisions and mention the distribution of mammals in different realms. 10
3. Describe the mechanism of Echolocation in Micro chiropterans. Add a note on Doppler effects associated with echolocation. 5+5
4. Write the characteristic features and importance of ammocoete larva with diagram. 10
5. Describe the structure and mode of action of Poison apparatus of poisonous snakes. 10
6. Differentiate between anadromous and catadromous migration with suitable examples. Elaborate the olfactory hypothesis of fish migration citing the example of 'sockeye Salmon' fish. 4+6
7. Define metamorphosis and discuss the retrogressive metamorphosis in *Ascidia*. 10
8. Define neoteny and paedogenesis. Discuss the phenomenon of neoteny in amphibia with special emphasis on hormonal regulation of neoteny. 3+7

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