



**UNIVERSITY OF NORTH BENGAL**  
B.Sc. General Part-III Examination, 2021

**ZOOLOGY**

**PAPER-VII (REVISED NEW SYLLABUS)**

**ECOLOGY EVOLUTION AND APPLIED ZOOLOGY**

Full Marks: 60

**ASSIGNMENT**

*The figures in the margin indicate full marks.*

**Answer any six questions from the following**

10×6 = 60

1. Describe the major components of the ecosystem with a note on the effect of temperature and light on organisms.
2. Elaborate the various factors that can alter the Hardy-Weinberg equilibrium in a population.
3. Describe the faunal characteristics of the oriental and neotropical realm.
4. Describe different types, symptoms and the control measures of fungal diseases of silkworms.
5. Give a detailed account of composite fish culture and mention its advantages and disadvantages.
6. Discuss on the Hardy-Weinberg Law mentioning its assumptions and principles.
7. Elaborate on the evolutionary significance of colouration and mimicry.
8. Draw, discuss and mention the stages of a logistic growth curve of a population.
9. Discuss on the values and importance of conservation of wildlife.
10. Describe the Darwin's theory of natural selection with a suitable example and point out its demerits.

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