



**UNIVERSITY OF NORTH BENGAL**

B.Sc. General Part-III Examination, 2021

**ZOOLOGY**

**PAPER-VII (SYLLABUS 2015)**

**ECOLOGY, EVOLUTION AND APPLIED ZOOLOGY**

Full Marks: 60

**ASSIGNMENT**

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

**Answer any six questions**

10×6 = 60

1. Briefly describe trophic levels and food pyramid in ecosystem.
2. Briefly describe age pyramids in population.
3. Describe briefly *in situ* and *ex situ* methods of Conservation of biodiversity.
4. Describe briefly Hardy-Weinberg Equilibrium.
5. Describe mimicry and its significance.
6. Briefly describe the concept of Monoculture and Polyculture.
7. Describe briefly the Life History of *Bombyx mori*.
8. Briefly describe Modern frame Hive Method of Apiculture.
9. Describe briefly the Life History of Paddy pest *Scirpophaga incertulas* and mention the nature of damage caused by this pest.
10. Describe briefly the Life History of stored grain pest *Sitophilus oryzae* and mention the nature of damage caused by this pest.

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