



UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 6th Semester Examination, 2021

CC14- ZOOLOGY

EVOLUTIONARY BIOLOGY & BIostatISTICS

Full Marks: 40

ASSIGNMENT

The figures in the margin indicate full marks.

Answer any four of the following questions

10×4 = 40

1. Enumerate different steps of biochemical origin of life on earth.
2. Discuss Darwin's theory of natural selection and origin of species with a note on its present status.
3. With reference to the Galapagos finches elucidate the significance and mechanisms of adaptive radiation.
4. Elaborate the principles, merits and demerits of evolutionary species concept, typological species concept and biological species concept.
5. Discuss briefly about different types of variations and their role in evolution.
6. Describe the evolution of house with suitable illustrations.
7. Discuss how to determine whether a particular locus in a real human population is fit to Hardy-Weinberg principle and mention the conditions in which Hardy-Weinberg principle might not apply.
8. Calculate the mean, median and standard deviation of the following data:

Height in cm.	95-105	105-115	115-125	125-135	135-145
No. of student	19	23	36	70	52

—x—