



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 6th Semester Examination, 2022

CC14-ZOOLOGY (PRACTICAL)

EVOLUTIONARY BIOLOGY AND BIostatISTICS

Time Allotted: 2 Hours

Full Marks: 20

The figures in the margin indicate full marks.

1. Analyze the data using the t-test and give your inference. 10
 2. Identify the homologous and analogous structures from the given specimens. 5
- OR**
- Identify one vertebrate fossil with characters. 5
 3. Laboratory Note Book 2
 4. Viva-voce 3

PROBLEM

(Should be attached to the question paper only)

1. Applications of pesticide were tested for the yield (kg/katha) of rice grown in 10 plots. Another set of 10 plots of similar size and condition were taken as control. Test the effect of pesticide used. 10

Plots	1	2	3	4	5	6	7	8	9	10
Pesticide Applied	16	14	18	15	13	17	16	15	14	13
Pesticide not applied	10	12	11	9	18	13	15	14	13	14

OR

Percentage of pest infested Tea Leaves in 10 tea bushes of a tea garden exposed to a chemical pesticide were compared with the unexposed set of bushes of another section.

Exposed	12	23	16	13	15	16	13	15	13	09
Unexposed	21	29	24	39	26	12	32	16	16	09

Determine whether exposure of pesticide has any significant effect on the pest infestation.

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