



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 6th Semester Examination, 2022

DSE-P4-ZOOLOGY (PRACTICAL)

Time Allotted: 2 Hours

Full Marks: 20

*The figures in the margin indicate full marks.
All symbols are of usual significance.*

**The question paper contains Group A, B and C
The candidates are required to answer any *one* from *three* groups.
Candidates should mention it clearly on the Answer Book.**

GROUP-A

ANIMAL BIOTECHNOLOGY

1. Write the principle and application of any two biotechnological techniques. 5+5 = 10
2. Write down the principle and procedure of plasmid DNA isolation. 2+3 = 5

OR

Write down the principle and procedure of linear restriction map construction. 2+3 = 5

3. Laboratory Note Book 2
4. Viva-voce 3

GROUP-B

FISH AND FISHERIES

1. Write a brief note on pH. Determine pH of the sample provided. Comment on the nature of the sample on the basis of pH 3+5+2 = 10
2. Identify with reasons A, B $2\frac{1}{2} \times 2 = 5$
3. Laboratory Note book 2
4. Viva-voce 3

GROUP-C

BIOLOGY OF INSECTS

1. Write the characteristics of different stages of life cycle. 5

OR

Write the methodology of collection, preservation and identification of insects. 5

2. Identify with reasons. 5×2 = 10

A, B

3. Laboratory Note book 2

4. Viva-voce 3

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