

B. Sc. 1st Semester Honours (Practical) Examination, 2022 (CBCS)

Subject: Zoology Paper: 3.4, CC-II

(Ecology Lab)

Time: 2 Hours.

Full Marks: 20

The figures in the margin indicate full marks. Candidates are required to give their answer in their own words as far as practicable.

Answer all the questions:

1. Estimate the free CO₂ from the collected/given water sample. (Principle-2. Procedure-3, Result-3) 8
2. Prepare the life table from the given hypothetical data and draw a survivorship curve from the same. (Life table preparation-3, Drawing the curve-4, conclusion about types of curve-1) 8

Problem: Life Table of mole-rat:

Age (Year) (x)	No. of Survivors (n_x)
0	1000
1	400
2	250
3	200
4	100
5	10
6	05
7	03
8	00

3. Submit the Excursion report. 02
4. Submit the Laboratory Notebook. 02