



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 3rd Semester Examination, 2022

GE2-P1-MICROBIOLOGY (1.1 & 2.1) (PRACTICAL)

Time Allotted: 2 Hours

Full Marks: 20

The figures in the margin indicate full marks.

**The question paper contains Paper-1.1 and Paper-2.1.
The candidates are required to answer any *one* from *two* courses.
Candidates should mention it clearly on the Answer Book.**

PAPER-1.1

INTRODUCTION AND SCOPE OF MICROBIOLOGY

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|----|---|----|
| 1. | Prepare a nutrient agar plate and assess the sterility. | 10 |
| 2. | Identify and comment on the given samples A and B. | 5 |
| 3. | Laboratory records | 2 |
| 4. | Viva-voce | 3 |

PAPER-2.1

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|----|---|----|
| 1. | Using the data provided, plot the growth curve and calculate the generation time. | 5 |
| 2. | Determine the effect of pH on the growth of <i>E.coli</i> and comment on the result observed. | 10 |
| 3. | Laboratory notebook | 2 |
| 4. | Viva-voce | 3 |

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