



'समानो मन्त्रः समितिः समानी'

**UNIVERSITY OF NORTH BENGAL**

B.Sc. Programme 4th Semester Examination, 2022

**DSC1/2/3-P4-MICROBIOLOGY (PRACTICAL)**

**MICROBIAL PHYSIOLOGY AND METABOLISM**

Time Allotted: 4 Hours

Full Marks: 20

*The figures in the margin indicate full marks.*

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|----|---|----|
| 1. | Perform the experiment to study effect of pH on growth of <i>E. coli</i> and comment on the result.                                     | 10 |
| 2. | From the supplied DD values at specific time interval, prepare a growth curve of <i>E. coli</i> and calculate the specific growth rate. | 4  |
| 3. | Laboratory records  | 2  |
| 4. | Viva-voce   | 4  |

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