



'समानो मन्त्रः समितिः समानी'

**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Programme 4th Semester Examination, 2022

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

**PLANT PHYSIOLOGY AND METABOLISM**

Time Allotted: 2 Hours

Full Marks: 20

*The figures in the margin indicate full marks.*

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|----|---|---|
| 1. | Determine the osmotic potential of plant cell sap by plasmolytic method or effect of bicarbonate on photosynthesis. | 6 |
| 2. | Determine the rate of respiration in flower or germinating seed.  | 6 |
| 3. | Give the demonstration of suction due to transpiration.   | 4 |
| 4. | Submission of laboratory note book  | 2 |
| 5. | Viva-voce   | 2 |

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