

**6<sup>th</sup> Sem (Major) Practical Examination (virtual mode), 2021**

**Subject- Botany**  
**Paper: M 606 (Practical)**  
**(Plant Physiology and Plant Resource Utilization)**  
**Total Marks: 60**

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| 1. How to determine the osmotic potential of cell sap by plasmolytic method?                                    | 5  |
| 2. Write the procedure to determine the stomatal index of any one type of leaf.                                 | 5  |
| 3. Write the procedure to extract and separate chloroplast pigments by solvent method and Paper chromatography. | 15 |
| 4. How will you determine the presence of alkaloids in <i>Vinca rosea</i> ?                                     | 10 |
| 5. Write about the pharmacognosical importance of crude and powdered drugs of Zinger and <i>Rauwolfia</i> .     | 10 |
| 6. Field records, practical notebook  | 7  |
| 7. Viva-voce  | 8  |