



M.Sc. II Semester Degree Examination, October - 2023

BOTANY

Plant Anatomy and Histochemistry

(NEP)

Time : 3 Hours

Maximum Marks : 70

- Note :**
- Answer **any five** of the following.
 - Question No. 1 is **Compulsory**.

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| 1. | Explain anomalous secondary Growth in climbers. | 14 |
| 2. | Explain Ultrastructure and chemistry of cellwall. | 14 |
| 3. | Explain secondary xylem and phloem of gymnosperm. | 14 |
| 4. | (a) Explain test for proteins. | 7 |
| | (b) Explain test for minerals. | 7 |
| 5. | (a) Define fixation and staining method with examples. | 4 |
| | (b) Explain principle of killing of plant tissue. | 4 |
| | (c) Describe leaf of fern | 6 |
| 6. | Explain about floral meristem with neat labelled diagram. | 14 |
| 7. | (a) Explain test for Carbohydrates. | 7 |
| | (b) Explain test for Lipids. | 7 |
| 8. | Describe the following : | |
| | (a) Mounting media | 7 |
| | (b) Embedding | 7 |

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