

Exam. Code : 210004
Subject Code : 4931

M.Sc. Botany 4th Semester
PLANT ANATOMY
Paper: BOTC-621

Time Allowed—2 Hours] [Maximum Marks—50

Note :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. What is root-stem transition ? Elucidate.
2. Discuss the distribution and role of pericycle in dicots.
3. What is meant by grain and texture of wood ? Elucidate.
4. Discuss the formation of resin cavities and tyloses in dicot stems.
5. Discuss the theory and foliar origin of carpel with evidences.
6. Elucidate the role of surface anatomy of seeds and fruits in taxonomy.
7. What are lenticels ? Discuss their structure and function.
8. Elucidate the concept of functional anatomy with the example of xerophytes.

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