

Exam. Code : 103203

Subject Code : 1303

B.A./B.Sc. 3rd Semester

BOTANY

Paper—A

(Structure, Development & Reproduction in Flowering Plants—I)

Time Allowed—3 Hours] [Maximum Marks—35

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. **Fifth** question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. Describe diversity of plant form in perennials. 7
2. Write a detailed note on branching pattern in plants. 7

SECTION—B

3. Write a detailed note on shoot apical meristem. 7
4. Write notes on the following :
 - (i) Cambium
 - (ii) Secondary xylem 7

SECTION—C

5. What are growth rings ? Write down their characteristics.
How are these formed ? 7
6. Discuss structure-function relationship of secondary vascular tissue. 7

SECTION—D

7. Discuss origin and development of leaf. 7
8. Describe the internal structure of leaf of a dicot plant in relation to water loss. 7

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