

Exam. Code : 103203

Subject Code : 1288

B.A./B.Sc. 3rd Semester (Batch 2020-23)

BOTANY

**(Structure, Development & Reproduction in
Flowering Plants-I)**

Paper—III (A)

Time Allowed—3 Hours] [Maximum Marks—35

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

SECTION—A

1. With suitable diagrams, discuss diversity in plant form in perennials. 7
2. Describe different forms of growth observed in plants. 7

SECTION—B

3. Write notes on the following :—
 - (i) Histological organization of shoot apical meristem
 - (ii) Secondary xylem. 4+3
4. (a) Write a note on cambium.
- (b) Describe how are internodes formed. 4+3

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SECTION—C

5. What are growth rings ? How are these formed ? Discuss in detail. 7
6. How does internal structure of wood make it suitable for conduction of water ? 7

SECTION—D

7. With suitable diagrams, discuss diversity in size and shape of plant leaves. 7
8. Describe adaptations in plants to cope with water stress. 7

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