

Exam. Code : 103203
Subject Code : 1287

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 any **FIVE** questions, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section.

SECTION—A

1. Discuss branching pattern in flowering plants. 7
2. Write a note on diversity in plant forms. 7

SECTION—B

3. Write notes on :
 - (i) Structure of Cambium and its functions
 - (ii) Formation of internodes. 4+3
4. Discuss in detail histological organization of shoot apical meristem. 7

SECTION—C

5. Discuss how tissue(s) of wood help in the conduction of water and minerals. 7
6. Describe how secondary xylem and secondary phloem are formed. 7

SECTION—D

7. Write notes on :
 - (i) Senescence
 - (ii) Adaptations to water stress at leaf level. 3+4
8. Write a detailed note on diversity in size, shape and arrangement of leaves in plants. 7