

Exam. Code : 103203

Subject Code : 1289

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

BOTANY

(Structure, Development & Reproduction in
Flowering Plants-II)

Paper—IIIB

Time Allowed—3 Hours] [Maximum Marks—35

Note :— There are **Eight** questions in Sections A-D.
Candidates are required to attempt *five* questions,
by selecting at least **one** question from each
Section. **Fifth** question may be attempted from
any Section. Each question carries equal marks.

SECTION—A

1. Explain about structural modifications of root systems for storage and reproduction.
2. Explain about structure and role of root apical meristem. Explain about differentiation of primary tissues.

SECTION—B

3. Discuss about various methods of vegetative propagation.
4. Comment on 'Flower as modified shoot'. Explain its structure and development.

SECTION—C

5. Give characteristic features of male gametophytes and explain its functions.
6. Give a detailed note on pollen-pistil interaction. What is self-incompatibility ?

SECTION—D

7. Explain about 'formation of seed endosperm and embryo'.
8. Explain about different types of dispersal strategies. Explain about ecological adaptations.