

**BS/2051**  
**DEVELOPMENT AND REPRODUCTION IN**  
**FLOWERING PLANTS–VIII**  
(Semester–IV)

Time : Three Hours]

[Maximum Marks : 40

**SECTION–A**

Do any *two* :

- I. Deliberate various methods used for vegetative propagation and their application in floriculture.
- II. Describe structure of dicot flower. How it is different from monocot flower?
- III. Discuss development of flower.
- IV. Differentiate between :
  - (a) Capitulum and Umbel.
  - (b) Hypanthodium and Corymb. (2×6=12)

**SECTION–B**

Do any *two* :

- V. Discuss in detail pollen-pistil interactions in angiosperm plants.

- VI. Explain the mechanism pollen-pistil interaction and its significance.
- VII. Write notes on :
- (a) Self-incompatibility.
  - (b) Double fertilization.
- VIII. Describe development of male gametophyte in vascular plants. (2×6=12)

**SECTION-C**  
**(Compulsory Question)**

- IX. (a) What is flower?
- (b) Differentiate dicot seed from monocot seed.
  - (c) Define fertilization.
  - (d) What is the function of fruit?
  - (e) Differentiate between climacteric and non-climacteric fruits.
  - (f) Write note on embryo sac.
  - (g) What is the role of pistil in flower-development?
  - (h) Name the various methods of seed dispersal with example. (8×2=16)
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