

M.Sc. (Botany) (NEP Pattern) Semester-I  
**NEP-04-2 / 01MSCB4.2 - Reproductive Biology of Angiosperms-I**

P. Pages : 1

Time : Three Hours



**GUG/W/24/15065**

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw labelled diagrams wherever necessary.

**1. Describe the development of male gametophyte. 16**

**OR**

Write notes on-

- a) Role of embryology in taxonomy. **8**  
b) Contribution of P. Maheshwari. **8**

**2. Describe the modification of Calyx. 16**

**OR**

Write notes on-

- a) Types of placentation. **8**  
b) Structure of flower. **8**

**3. Describe the Racemose type of Inflorescence. 16**

**OR**

Write notes on-

- a) Evolution of sexual dimorphism in plants. **8**  
b) Sex determination in plants. **8**

**4. Describe T.S. of Anther. 16**

**OR**

Write notes on-

- a) Pollen Tetrad development. **8**  
b) Pollen embryo sac. **8**

**5. Write short note on- 4**

- a) Vegetative reproduction. **4**  
b) Gynoecium **4**  
c) Cyathium **4**  
d) Pseudomonads **4**

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