

02MSCB-4.2 - DSE Elective Paper-IV - Reproductive Biology of Angiosperms-II

P. Pages : 1

Time : Three Hours



GUG/W/24/15345

Max. Marks : 80

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

1. Describe pollen grain and add note on pollen wall proteins. **16**
OR
Write notes on-
a) Pollen viability. **8**
b) Male sterility. **8**
2. Describe the Development of male gametophyte. **16**
OR
Write note on:
a) Abiotic pollination. **8**
b) Biotic pollination. **8**
3. Describe in details about megagame to genesis. **16**
OR
Write notes on-
a) Bisporic embryo sac. **8**
b) Types of ovules. **8**
4. Describe in detail pollen-pistil interaction. **16**
OR
Write notes on:
a) Pollen germination and pollen tube growth. **8**
b) Parasexual hybridization. **8**
5. Write short notes on-
a) Male sterility. **4**
b) Floral attractants and rewards. **4**
c) Nutrition of embryo sac. **4**
d) Importance of self incompatibility. **4**
