

1. Explain the development of male gametophyte under following subheadings.
 - a. Structure of mature anther
 - b. Formation of microspores
 - c. Development of male gametophyte.(Post pollination changes)
2. Describe the development of female gametophyte in angiosperms.
3. Explain the process of megasporogenesis.
4. Define the following
 - a. Pollination
 - b. Self pollination
 - c. Autogamy
 - d. Geitonogamy
 - e. Xenogamy or cross pollination
5. Differentiate between cleistogamous and chasmogamous flower. Give suitable examples also.
6. Explain the following contrivances and mention the ones that favours cross pollination.
 - a. Unisexuality
 - b. Dichogamy
 - c. Heterostyly
 - d. Herkogamy
 - e. Self incompatibility
7. Give the adaptations of flowers pollinated by insects with a suitable example.
8. Mention the adaptations of flowers pollinated by wind.
9. What do you mean by hydrophily? Mention any four features of flowers adapted for hydrophily.
10. What do you mean by ornithophily and chiropterophily?
11. Write four advantages of cross pollination over self pollination