

Q1 Define pollination. Why is it necessary?

Ans Pollination is the process of transport of pollen grains from the anther to the stigma of the same species. It is important because only after reaching the stigma does the pollen grain grow a pollen tube and fertilisation and seed development occurs.

Q2 Self pollination.

In self pollination, the pollen grains fertilise or land on the same plant.

eg - Jasmine

Cross pollination.

In cross pollination a flower on a plant is fertilized from the pollen of another plant of same species.

eg - papaya, castor

Q3 Rose is said to be an insect-pollinated flower, because it has the characteristics of these flowers i.e. colourful petals, scent, and reproductive parts like stamen and carpel.