

Home Assignment

Short Answer Questions:

1. Write two ways in which pollination may occur in plants.

Ans- (a) Self pollination - It is the transfer of pollen grains from anthers of a flower to the stigma of the same flower or to another flower of the same plant.

(b) Cross pollination - It is the transfer of pollen grains from the anthers of the flower to the stigmas of another flower in another plant of the same kind.

2. Name the three agents of pollination.

Ans (a) Water

(b) Insect

(c) Wind

3. Give two features of flowers which favour pollination by insects.

Ans (a) These flowers are large with coloured petals, to attract insects.

(b) These are scented so that insects locate the flowers by smell.

4. Name two characteristics of flowers in which pollination occurs by winds.

Ans. (a) They are usually small and are of dull colours.

(b) They generally have long anthers protruding out of the flower so that pollen grains may get blown off easily.

5. Fill in the blanks by selecting suitable words:

(a) A flower that bears both the male and the female parts is known as biexual flowers.

(b) A flower bearing only male or female parts is known as unisexual flowers.

(c) Transfer of pollen grains from the anther to the stigma is known as pollination.

(d) Fusion of male cell with the female cell is called fertilisation.

(e) The ovule develops into a seed.

(f) The ovary of the flower develops into a fruit.