

H.W  
14/5/21

Ch-2  
Reproduction in  
Plants

(1)

Date \_\_\_\_\_  
Page \_\_\_\_\_

MCQs

1. Put a tick mark (✓) against the correct alternative in the following statements:

a) Pollen is produced in the:

- (i) Filament (ii) Style  
(iii) Pistil (iv) ✓ Anther

b) Reproductive whorls of a flower are:

- (i) ✓ Stamens and carpels (ii) Sepals <sup>and</sup> ~~one~~ petals  
(iii) Sepals and stamens (iv) Petals and carpels

c) Grafting is a method of:

- (i) ✓ Artificial vegetative propagation (ii) Sexual reproduction  
(iii) Artificial pollination (iv) Cross-pollination

Short-answer questions

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

Ans- The two ways in which pollination may occur in plants are:-

- a) Self-pollination
- b) Cross pollination

2. Name the three agents of pollination.

Ans- The three agents of pollination are:-

- a) Insects
- b) Wind
- c) Water

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

Ans- The two features of flowers which favour pollination by insects are:-

- 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 flower in which pollination occurs by wind.

Ans- The two characteristics of flower in which pollination occurs by wind are:-

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

b) They produce a large quantity of pollen.

5. Fill in the blanks by selecting suitable words:

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

- (ii) A flower bearing only male or female parts is known as unisexual flower.
- (iii) Transfer of pollen grains from the anther to the stigma is known as pollination.
- (iv) Fusion of male cell with the female cell is called fertilisation.
- (v) The ovule develops into a seed.
- (vi) The ovary of the flower develops into a fruit.