

14.05.21
Homework

REVIEW QUESTIONS

• Multiple choice Question

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

- (a) Pollen is produced in the
- | | | | |
|--------------|--------------------------|-------------|-------------------------------------|
| (i) Filament | <input type="checkbox"/> | (iii) Style | <input type="checkbox"/> |
| (ii) Pistil | <input type="checkbox"/> | (iv) Anther | <input checked="" type="checkbox"/> |
- (b) Reproductive whorls of a flower are:
- | | |
|-------------------------|-------------------------------------|
| (i) stamens and carpels | <input checked="" type="checkbox"/> |
| (ii) Sepals and stamens | <input type="checkbox"/> |
| (iii) Sepals and petals | <input type="checkbox"/> |
| (iv) Petals and carpels | <input type="checkbox"/> |
- (c) Grafting is a method of:
- | | |
|---------------------------------------|-------------------------------------|
| (i) Artificial vegetative propagation | <input type="checkbox"/> |
| (ii) Sexual reproduction | <input checked="" type="checkbox"/> |
| (iii) Artificial reproduction | <input type="checkbox"/> |
| (iv) Cross-pollination | <input type="checkbox"/> |

• Short Answer Questions:

(i) Write two ways in which pollination may occur in plants.

(a) Self pollination

(b) Cross pollination

(ii) Name the three agents of pollination.

(a) Water

(b) Wind

(c) Insects

(iii) Give two features which favour pollination by insects.

- (a) the bright colour of petals to attract insects.
- (b) Nectar to attract insects.

(iv) Name two characteristics of flowers in which pollination occurs by wind.

- (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.

• Fill in the blanks by selecting suitable words:

(unisexal, fertilisation, fruit, stamen, anther, bisexual, pollination, seed, ovary)

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

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

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

- (d) Fusion of male cell with female cell is called fertilisation.
- (e) the ovule develops into a seed.
- (f) the ovary of the flower develops with into a fruit.

— X —

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