

C.W-30.09.2021

### Revision 3

classmate

Date \_\_\_\_\_

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1- What is meant by pollination? Name two types of pollination. (1+2=3)

Ans: The transfer of pollen grains from the anthers to the stigma of a flower is called pollination.

The two types of pollination found in flowering plants are:

a- Self pollination: It occurs within the same plant.

b- cross-pollination: It occurs between two different plants but of the same kind.

2- Define germination. Name two types of germination. Explain with example. (1+2+2=5)

Ans: The process by which the embryo in the seed becomes active in the presence of water, air and suitable temperature and grows into a young plant is called germination.

The two types of germination are epigeal germination and hypogeal germination.

Epigeal germination: The type of germination in which, the cotyledons are pushed above the soil is called epigeal germination.

The type of germination leaves unfold and start preparing food for the growing plant.

Germination of a bean seed is an example of epigeal germination.

Hypogeal germination: The type of germination in which the cotyledons remain below the ground is called hypogeal germination. The plumule only comes out of the soil to form leaves. Germination of pea seed and maize grain are examples of hypogeal germination.

Q What are different types of flowers? (a)

Ans: There are two different types of flowers:

a- ~~Bi~~Sexual flowers: These flowers are complete flowers. They have both male and female parts, i.e. androecium and gynoecium.

b- Unisexual flowers: In certain flowers either the male (androecium) or female (gynoecium) reproductive parts are found. They are called unisexual flowers and they are incomplete flowers.