

General Science (English Medium) - 5th Class Science Chapter 3 Short Questions Test

Q1. Define cross-pollination.

Ans 1: It pollen grains are transferred from the flower of one plant to the stigma of the flower of another plant. It is called cross-pollination. It takes place in maize, papaya and rose etc.

Q2. Describe the structure of maize seed.

Ans 1: Maize is a monocot plant i.e. there is one cotyledon in the seed. The maize seed is oval and flat in shape, its external covering is in the form of a thin seed coat. There is an endosperm inside the seed, where food is stored. The embryo of maize seed consists of one cotyledon, a radicle and a plumule.

Q3. What is germination of seed.

Ans 1: The germination of seed is a process in which a seedling comes out of the embryo.

Q4. Write the conditions necessary for seed germination.

Ans 1: All seeds need water, air and proper temperature to germinate.

Ans 2:

Q5. Compare gram and maize seed.

Ans 1: Gram seed

1. There are two cotyledons in the gram seed
- 2- It is conical pear shaped and light brown in colour
- 3- the external covering consists of a thick seed coat.
- 4- There are two cotyledons beneath the seed coat.
- 5- There is an axis between the two cotyledons.

Ans 2: Maize seed:

- 1- There is one cotyledon in its seed.
- 2- The maize seed is oval and flat in shape
- 3- Its external covering is in the form of a thin seed coat.
- 4- Food is stored in endosperm
- 5- The embryo of maize seed consists of one cotyledon, a radicle and a plumule.

Q6. How many ways of reproduction in plants.

Ans 1: There are two ways of reproduction of plants.

a. Asxual reproduction b. Sexual reproduction

Q7. Describe the strcuture of seed.

Ans 1: The outer covering of seed is called seed coat. It protect the tiny embryo whihc is present inside seed. There is a ore on seed coat. It is called micropyle. Embryo consists of cotyledons.,Which store food. The axis of embryo is between the two cotyledons. The end of axis towards the pointed end of seed is called radicle. When seed germinates , ists radicle form roots. The other end of the axis is called plumule. It gives rise to the shoot.

Q8. How many types of pollnation are there.

Ans 1: There are two types of pollnation.
i- Self pollination ii- Cross pollination.

Q9. Whate is meant by self pollination.

Ans 1: If pollen grains transfered from the anther of flower to the stigma of the same flower it is called self pollination. It takes place in pea, cotton and tomato etc.

Q10. Define Pollination.

Ans 1: The transferred of pollen grain from the anther of flower to the stigma. This process is called pollination.
