

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

Q1. How many types of pollination are there.

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

Q2. What is germination of seed.

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

Q3. How does asexual reproduction occur in plants.

Ans 1: In asexual reproduction only one plant produces new plants. Flowers do not take part in this type of reproduction. The other parts of the plant, e.g. root, stem, and leaves give rise to new plants. The plants produced from these parts have a great similarity with the parent plant.

Q4. Define Pollination.

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

Q5. Describe the structure of a 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 a maize seed consists of one cotyledon, a radicle and a plumule.

Q6. Difference between self-pollination and cross-pollination.

Ans 1: Self-pollination:
If pollen grains are transferred from the anther of a flower to the stigma of the same flower. It takes place in pea, cotton and tomato etc.

Ans 2: Cross-pollination: If 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, rose etc.

Q7. What is meant by self-pollination.

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

Q8. Describe the structure 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.

Q9. 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 known in colour
- 3- the external covering consists of a thick seed coat.
- 4- There are two cotyledons benefits the seed coat.
- 5- There is an axis between the two cotyledens.

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 consist of one cotyledon, a radicle and a plumule.

Q10. How many ways of asexual reproduction.

Ans 1: Layering, bulb , tuber, etc. are teh ways of asexual reproduction.
