

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. How many types of pollination are there.

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

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 flower to the stigma. This process is called pollination.

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. Write the conditions necessary for seed germination.

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

Ans 2:

Q7. Describe the structure of seed.

Ans 1: The outer covering of seed is called seed coat. It protects the tiny embryo which is present inside seed. There is a pore 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, its radicle forms roots. The other end of the axis is called plumule. It gives rise to the shoot.

Q8. What is germination of seed.

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

Q9. How many ways of asexual reproduction.

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

Q10. How many parts of flower? Describe it.

Ans 1: The flower has four parts. These occur in the form of four whorls. The four parts of flower are sepals, petals, stamens and carpel.
