

Exercises

QA. Tick the correct answer.

1. The tiny baby plant inside the seed is called

Ans. Embryo

2. The process of growth of seed into a new plant is called

Ans. Germination.

3. Seeds of-_____ have spines

Ans. Burdock.

4. _____ grow from roots.

Ans. Turnips.

5. Cotton grows well in _____ soil.

Ans. Black.

QD. Fill in the blanks.

1. Cotyledons store food for the baby plant.

2. Plants with one cotyledon are called Monocot plants.

3. The small shoot emerging from the seed and growing upwards is called Plumule.

4. The process of scattering seeds away from the parent plant is called dispersal.

5. Maize grows well in dry soil.

QE. State True or False.

1. The outer hard covering of the seed is called embryo. False.

2. Seed needs air, water and warmth to germinate. True.

3. Wheat is a dicot plant. False.

4. The seeds of sycamore trees are dispersed by water. False.

5. Potato grows from stem. True.

QF. Match the column.

I am writing right answer in the front.

1. Rice-----West Bengal

2. Bajra----- Rajasthan

3. Tea-----Assam

4. Wheat _----- Punjab

5. Groundnut __----- Gujarat

QH. Puzzle time.

Who am I.

a. I have a fibrous outer covering that makes my seeds float on water.

Ans Coconut

b. My pods explode on ripening and seeds scatter.

Ans. Balsam.

c. My seeds are winged that spin through the air and get scattered.

Ans Sycamore

d. I do not grow from seeds, I grow from leaves.

Ans. Begonia

e. I produce seeds in cones that grow into a new plant.

Ans Cedar

QB Short answer type questions.

1. How do farmer protect their crops from pests and insects?

Ans. Farmer protect their crops from pests and insects by using insecticides and pesticides.
Example DDT.

2. What does the growth and development of plants depend on?

Ans. Growth and development of plants depend on kinds of soil, climate and seasons.

3. What is vegetative propagation?

Ans. When plants do not grow from seeds, but from other parts like root, stem or leaves of the parent plant, it is called vegetative propagation.

4. How do the seeds of beans dispersed?

Ans. The seeds of beans dispersed by explosion .Beans have pods that explode on ripening and get scattered.

5. From where does the baby plant get food before green leaves grow from it?

Ans. The baby plant get its food from cotyledons.

QC. Long type questions

1. Explain the different parts of a seed.

Ans. The different parts of a seeds are as follows.

1. Seed coat ----It is the outer hard covering of the seed. it protects the internal parts of the seed.
2. Embryo----it is a tiny baby plant inside the seed.
3. Cotyledons-----it is a fleshy part of seed containing food for baby plant.

2. Describe the different stages of germination.

Ans. During germination, the seed absorbs water through its hole. The cells of the embryo start dividing and it increases in size. Eventually, the seed coat softens and breaks open. A small root emerges from the seed, which grows downwards. Then a small shoot emerges from the seed and grows upwards. The growing seedling uses the food stored in the cotyledons for its growth.

3. How do the seeds of mushrooms dispersed?

Ans. Mushroom produces spores, which are small, round and light. Once the spores clear of the gill surface, they are carried by the wind. These spores fall in different direction and grow into a new plant.

4. How can farmers get good yield from Crops?

Ans. Good and healthy yield from crops can be obtained by:

1. Using healthy and good quality seeds to sow.
2. Preparing soil and land well before sowing.
3. Adding right quantity of manure and fertilizer to the soil.
4. Irrigating plants properly.
5. Removing weeds from fields.
6. Using right amount of insecticides and pesticides.

Q5. Which kind of soil and climatic conditions are favourable for the growth of coconut? Name the places where coconut grows well.

Ans. Coconut are not particular to their soil, but do prefer a very well drained, sandy soil of coastal areas. Damp and moist climate is favourable for the growth of coconut.

Coconut grows well in Kerala and Goa.

QH. Page no 15

Draw a diagram showing the stages of germination of a seed into a new plant.

Ans. Stages of germination. Diagram is on page no 7 of your textbook

