

1. MCQ.

a) i) Radicle

b) ii) plumule

c) iii) Maize

d) i) Epigeal

e) ii) Hypogeal

f) iv) Anther

g) i) Stamens and Carpels

h) ii) Apple

i) / iv) cotyledons or endosperms

2. SAQ

1. a. Testa: it is the outer exposed part of the seed.

2. b. plumule: it is located between the two cotyledon and develop into a shoot.

c. Raicle: It is located between the two cotyledons and develop into root.

d. Micropyle: It absorbs and develops into a root, water as is required to develop the entry of as much as.

5. cotyledon: It store the food material which is use as is required for germination.

2. a) Pea

b) Maize grain

c) Bean seed

d) Bean seed

2. ~~radicle~~ and plumule

3. a) The radicle develops into a root while the plumule develops into a shoot

Hilum.

b) ~~Hilum~~, is the inner concave side of

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the seed where the seed was attached with other fruit wall. Micropyle is a small pore, testa is the outer exposed part of the seed coat whereas tegmen which absorbs and allows water required for germination.

c) Testa is the outer exposed part of the seed^{coat} whereas the seed was tegmen is a thin membrane and lies under the testa. It is the inner part of the seed coat.

4. The two functions of fruit are:

- i) It protect the seed from the ~~unfavourable~~ unfavourable environmental conditions.
- ii) Fruits store food inside them.

5. a) - (iii)

b) - (i)

c) - (ii)

d) - (v)

e) - (iv)

6. As the radicle emerges out of the seed earlier and develop of the plumule.

7. a) False

b) True

c) False

d) True

8. a. It develops into a root.

b. It stores the food-material which is used by the seed for growth.

c) It stores food in the form of starch.

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2) It absorbs and allows ~~for~~ the entry of as much as water is required for germination.

9. a) v

10. a) Radicles

b) Plumule

~~10.~~ Long answer Questions

1. Pollination is the transfer of pollen grains from the anthers to the stigma of a flower. The two pollination are self pollination and cross pollination.

2. The problems it will face less water and lack of sunlight.