



The Shri Ram School - Aravali

Subject (Worksheet): Biology

Topic: Pollination and Fertilization

Class: IX (2021-22)

Name..... Sec..... Date.....

1. Choose the correct option:

(5)

- a. Transfer of pollen grains from a flower to the stigma of another flower on the same plant is:
 - i. Allogamy
 - ii. Geitonogamy
 - iii. Autogamy
 - iv. None of the above
- b. Insect pollinated flowers are:
 - i. Small
 - ii. Not brightly colored
 - iii. Large and showy
 - iv. Sticky
- c. The condition in which the androecium and the gynoecium mature at different times.
 - i. Homogamy
 - ii. Heterogamy
 - iii. Dichogamy
 - iv. Protagyny
- d. Flowers that are closed and can favour self- pollination only are:
 - i. chasmogamous flower
 - ii. cleistogamous flower
 - iii. perfect flower
 - iv. sterile flower
- e. Choose the correct option:
 - i. Herkogamy is when the pollen of a flower cannot reach the stigma of the same flower due to some mechanical barrier.
 - ii. Self-sterility in flowers promotes self-pollination.
 - iii. Protandry is when the stigma of a flower matures earlier than the anthers.
 - iv. None of the above

2. Choose the technical term:

(2.5)

Anemophilous

Seeds

Integument

Exine

Entomophilous

Fruit

a. Flower pollinated by insects. _____

b. Outer wall of pollen grain. _____

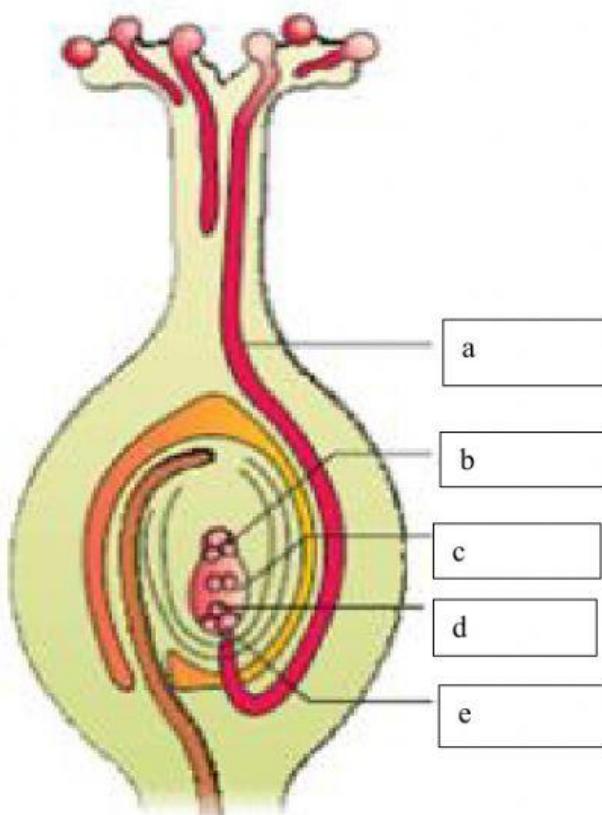
c. Flower pollinated by wind. _____

d. After fertilization, ovule forms the _____. _____

e. Protective covering around ovule. _____

3. Match the parts with the correct label:

(2.5)



Antipodal

Synergid

a

b

c

d

e

Pollen tube

Polar Nuclei

Egg Cell