



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

SOLUTIONS – 05

Class: XII

Sub: Biological science

Date: 09.07.2021



Topic: Ch 2(Part 2)

Pollination and outbreeding devices

F.M. : 15

Choose the correct option:

(1x15=15)

- The following is not a type of self pollination :-
a) Autogamy b) Xenogamy c) Geitonogamy d) Both (a) and (c)
Answer :Xenogamy (b)
- Autogamy is defined as the transfer of pollen grains from the anther of a flower to the :-
a) Stigma of different flower on same plant b) Stigma of the flower on another plant c) Stigma of the same flower d) Stigma of another flower species
Answer :Stigma of the same flower (c)
- When pollen grains from a flower is transferred to the stigma of another flower on the same plant. It is called :-
a) Autogamy b) Allogamy c) Xenogamy d) Geitonogamy
Answer : Geitonogamy(d)
- A condition where anther and stigma mature at the same time :-
a) Homogamy b) Dichogamy c) Herkogamy d) Chasmogamy
Answer : Homogamy (a)
- A condition where the flowers never open is called :-
a)Chasmogamy b) Xenogamy c) Dichogamy d) Cleistogamy
Answer :Cleistogamy (d)
- The following are/is the out breeding devices :-
a) Self sterility b) Herkogamy c) Cleistogamy d) Both (a) and (b)
Answer : Both (a) and (b) (d)
- Protandry is found in the following plant :-
a) *Salvia* b) *Gossypium* c) *Helianthus* d) All of these
Answer :All of these (d)
- A condition which refers to the dimorphism flowers with styles of different length :-
a) Herkogamy b) Protogyny c) Heterostyly d) None of these
Answer : Heterostyly(c)

9. The examples of biotic agents for pollination are :-

- a) Wind b) Birdsc) Bats d) Birds and Bats both

Answer : Birds and Bats both (d)

10. Transfer of pollen grains by wind is called :-

- a) Anemophilyb) Hydrophily c) Entomophily d) None of these

Answer : Anemophily (a)

11. The type of pollination brought about by snails is called :-

- a) Entomophily b) Ornithophilyc) Chiropterophilyd) Malacophily

Answer : Malacophily (d)

12. The following is the characteristic of an insect pollinated flower :-

- a) Pollen grain is sticky b) Pollen grain is dry c) Flower is not showy d) Flower is scentless

Answer :Pollen grain is sticky(a)

13. Stigma are long, often feathery and protrudes above petals in a _____ pollinated flower.

- a) Water b) Wind c) Bats d) Snail

Answer : Wind(b)

14. The moth completes its life cycle in the following flower and also pollinates it simultaneously:-

- a) *Salvia* b) Rose c) Maized) *Yucca*

Answer : Yucca (d)

15. The contrivances of a bird pollinated flower :-

- a) Large quantityof nectar b) Tuber shaped flower c) Large and showy d)All of these

Answer : All of these (d)

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