

1. What is vegetative propagation? Give one natural and one artificial example.
2. Why is cross-pollination genetically beneficial for plant species?
3. What are unisexual flowers? Give an example of a plant with unisexual flowers.
4. What is the role of the pollen tube in fertilization?
5. State two differences between self-pollination and cross-pollination.
6. Why do insect-pollinated flowers have sticky pollen grains?
7. Assertion (A): Wind-pollinated flowers produce large quantities of pollen.
Reason (R): Wind pollination is very efficient and requires fewer pollen grains.
8. Assertion (A): Fruits help in the dispersal of seeds.
Reason (R): Fruits attract animals which may carry seeds to faraway places.
9. Assertion (A): Self-pollination ensures genetic variation.
Reason (R): Pollen from the same flower fertilizes the ovule.
10. Which one reproduces by spores?
 - A. Mango
 - B. Rose
 - C. Fern
 - D. Neem
11. Which method is used for producing plant clones artificially?
 - A. Fragmentation
 - B. Grafting
 - C. Budding
 - D. Tissue culture
12. Example of wind-pollinated flower:
 - A. Wheat
 - B. Rose
 - C. Hibiscus
 - D. Sunflower