

MCQs for CBSE Class 12 Biology Chapter 1: Sexual Reproduction in Flowering Plants

1. What is the male reproductive organ of a flower?

- a) Stigma
- b) Anther
- c) Ovary
- d) Style

Answer: b) Anther

2. The process of transfer of pollen grains from the anther to the stigma of a flower is called:

- a) Fertilisation
- b) Pollination
- c) Germination
- d) Ovulation

Answer: b) Pollination

3. Which of the following is not a method of self-pollination in flowers?

- a) Cleistogamy
- b) Wind pollination
- c) Geitonogamy
- d) Autogamy

Answer: b) Wind pollination

4. In which part of the flower's pistil does fertilisation occur?

- a) Ovary
- b) Style
- c) Stigma
- d) Ovule

Answer: a) Ovary

5. The fusion of male and female gametes during sexual reproduction in flowering plants leads to the formation of:

- a) Embryo
- b) Zygote
- c) Endosperm
- d) Seed

Answer: b) Zygote

6. In angiosperms, meiosis occurs during the formation of:

- a) Pollen grains

- b) Ovules
- c) Endosperm
- d) Embryo sac

Answer: d) Embryo sac

7. What is the purpose of the pollen tube in plants?

- a) To provide support to the pollen grain
- b) To protect the pollen grain during transportation
- c) To help in fertilisation by carrying male gametes to the ovary
- d) To store food for the developing embryo

Answer: c) To help in fertilisation by carrying male gametes to the ovary

8. The phenomenon where a single pollen grain germinates and produces two male gametes is called:

- a) Binary fission
- b) Double fertilisation
- c) Bipolar division
- d) Triple fusion

Answer: b) Double fertilisation

9. Which part of the embryo sac nourishes the developing embryo?

- a) Synergids
- b) Antipodal cells
- c) Egg cell
- d) Central cell

Answer: d) Central cell

10. Which hormone is responsible for the development of fruits from the ovary after fertilisation?

- a) Auxin
- b) Cytokinin
- c) Gibberellin
- d) Ethylene

Answer: d) Ethylene

11. The transfer of pollen grains from the anther to the stigma of the same flower is known as:

- a) Geitonogamy
- b) Cross-pollination
- c) Cleistogamy
- d) Autogamy

Answer: d) Autogamy

12. Which of the following is not a reproductive part of a flower?

- a) Sepal
- b) Petal

- c) Stamen
- d) Style

Answer: a) Sepal

13. In heterogamous flowers, the male and female reproductive organs mature:

- a) At the same time
- b) On different flowers of the same plant
- c) On different plants of the same species
- d) In different seasons

Answer: c) On different plants of the same species

14. The edible part of the mango fruit is the:

- a) Mesocarp
- b) Epicarp
- c) Endocarp
- d) Seed

Answer: a) Mesocarp

15 Which of the following is a non-endospermic seed?

- A) Corn
- B) Pea
- C) Coconut
- D) Sunflower

Answer: B) Pea