

**Class: 11**  
**Subject: biology**  
**Topic: Morphology of Flowering Plant**  
**No. of Questions: 20**  
**Duration: 60 Min**  
**Maximum Marks: 60**

1. The edible part of Jack fruit is
- A. Fleshy perianth
  - B. Inflorescence axis
  - C. Mesocarp
  - D. None of these

Answer: A

2. Individual members of perianth are called
- A. Bracteoles
  - B. Bracts
  - C. Spatbes
  - D. Tepals

Detailed Answer:

Tepals are elements of the perianth, or outer part of a flower, which include the petals or sepals. The term tepal is more often applied specifically, when all segments of the perianth are of similar shape and color, or undifferentiated, which is called perigone. When different types of organs can be distinguished, they are referred to as petals and sepals

Answer: D

3. Cross pollination is
- A. Cleistogamy
  - B. Autogamy
  - C. Allogamy
  - D. Chasmogamy

Answer: C

4. Pollination is
- A. Transfer of pollen from anther to stigma
  - B. Shedding of pollen grains from anthers
  - C. Dispersal of pollen
  - D. Fertilization of plants

Answer: A

5. Xenia and metaxenia are related to
- A. Effect of pollen
  - B. Pollen culture
  - C. Xylem and phloem
  - D. Endosperm only

Detailed Answer:

Xenia is the effect of genes from the male parent on the development of fruit or seeds. Metaxenia is the effect of pollen on fruit shape and other fruit characteristics.

Answer: A

6. A plant pollinated by bats is

- A. Ophrys
- B. Salvia
- C. Kigellia
- D. All the above

Answer: C

7. Seed leaf is

- A. Leaf present over the plumule
- B. Cotyledon
- C. Coleoptile
- D. Mesocotyl

Answer: B

8. Hovering birds pollinate

- A. Bignonia
- B. Peepal
- C. Magnolia
- D. Bougainvillea

Detailed Answer:

Bignonia flowers

Answer: A

9. When stamens are fused by their anthers and the filaments are free, the condition is called

- A. Monadelphous
- B. Synandrous
- C. Syngenesious
- D. Epipetalous

Detailed Answer:

Syngenesious anthers

Answer: C

10. The edible part of Cauliflower is

- A. Fruit
- B. Stem
- C. Leaves
- D. Inflorescence

Answer: D

- 11.** Pollinia are found in
- A. Galotropis flower
  - B. Vinca flower
  - C. Hibiscus flower
  - D. Leucas flower

Detailed Answer:

Answer: A

- 12.** Superior ovary is found in flowers
- A. Perigynous
  - B. Epigynous
  - C. Hypogynous
  - D. None of these

Detailed Answer:

Answer: C

- 13.** Aestivation in which members of a whorl lie close but do not overlap is
- A. Vexillary
  - B. Valvate
  - C. Imbricate
  - D. Twisted

Detailed Answer:

Valvate aestivation

Answer: B

- 14.** In Coconut, the edible part is
- A. Endocarp
  - B. Endosperm
  - C. Epicarp
  - D. Mesocarp

Answer: B

- 15.** Double fertilization
- A. Pinus
  - B. Selaginella
  - C. Funaria
  - D. Dalbergia

Answer: D

- 16.** Jack fruit is
- A. Sorosis
  - B. Syconus
  - C. Siliqua
  - D. Pome

Answer: A

**17.** Placentation in a syncarpous unilocular ovary where ovules occur on sutures is

- A. Apical placentation
- B. Parietal placentation
- C. Marginal placentation
- D. Superficial placentation

Answer: B

**18.** Fruit of Shepherd's Purse (*Capsella bursapastoris*) is

- A. Silicula
- B. Siliqua
- C. Regma
- D. Cremocarp

Answer: A

**19.** Tapetal cells of stamens are

- A. Diploid uninucleate
- B. Tetraploid binucleate
- C. Hexaploid tetranucleate
- D. Polyploid multinucleate

Answer: D

**20.** Double fertilization involves

- A. Fertilization of egg by two male gametes
- B. Fertilization of two eggs in the same embryo sac by two sperms brought by one pollen tube
- C. Fertilization of the egg and central cell by two sperms brought by different pollen tubes
- D. Fertilization of the egg and the central cell by two sperms brought by the same pollen tube

Answer: D