

1. Which of the following is zygomorphic?
 - a. Mustard
 - b. Pea
 - c. Datura
 - d. Sunflower

Solution: Pea

2. The fruit of wheat is:
 - a. Caryopsis
 - b. Drupe
 - c. Nut
 - d. Capsule

Solution: Caryopsis

3. In cotton, the type of aestivation is:
 - a. Twisted
 - b. Valvate
 - c. Vexillary
 - d. Imbricate

Solution: Twisted

4. The Floral Formula of Fabaceae is: $K(5) C_{1+2+2} A_{(9)+1} G_1$, what does $A_{(9)+1}$ represent?

Solution: Diadelphous Condition

5. Ovary of tomato shows which placentation?
 - a. Marginal
 - b. Axile
 - c. Basal
 - d. Free Central

Solution: Axile

6. Assertion (A): Maize grain is a fruit
Reason (R): Pericarp is fused with seed coat

- a. Both A and R are true, R is correct explanation
 - b. Both A and R are true, R is not explanation
 - c. A is true, R is false
 - d. A is false, R is true

Solution: Both A and R is true, R is correct explanation

7. Which of the following is a modification of adventitious roots?

- a. Prop roots of Banyan
- b. Pneumatophores of Rhizophora
- c. Tuberous roots of Dahlia
- d. All of the above

Solution: All of the above

8. The edible part of onion and garlic is:

- a. Root
- b. Leaf
- c. Flower
- d. Stem

Solution: Leaf

9. Phylloclade is found in:

- a. Asparagus
- b. Opuntia
- c. Zingiber
- d. Colocasia

Solution: Opuntia

10. The main function of tendrils is:

- a. Climbing
- b. Photosynthesis
- c. Absorption
- d. Storage

Solution: Climbing

11. Which of the following is an example of drupe fruit?

- a. Mango
- b. Apple
- c. Banana
- d. Orange

Solution: Mango

12. The underground stem of ginger is called:

- a. Corn
- b. Rhizome
- c. Bulb
- d. Tuber

Solution: Rhizome

13. The edible part of potato is:

- a. Stem Tuber
- b. Root
- c. Rhizome
- d. Bulb

Solution: Stem Tuber

14. The arrangement of leaves on the stem is called:

- a. Vernation
- b. Phyllotaxy
- c. Aestivation
- d. Placentation

Solution: Phyllotaxy

15. Which one is the monocarpellary syncarpous ovary?

- a. Mustard
- b. Pea
- c. Hibiscus
- d. Sunflower

Solution: Pea

16. The root cap is absent in:

- a. Maize
- b. Mustard
- c. Banyan
- d. Hydrilla

Solution: Hydrilla