

1. A tissue is a  
(A) a group of separate organs that are co-ordinated in their activities  
(B) a group of similar cells that function together in a specialized activity  
(C) layer of cells surrounding an organ  
(D) sheet of cell, one layer thick
2. Cork cells are  
(A) photosynthetic  
(B) elongated and precipitate in movement  
(C) meristematic  
(D) dead
3. Lateral meristem is responsible for  
(A) growth in parenchyma  
(B) growth in thickness  
(C) growth in cortex  
(D) growth in length
4. Tracheids vessels wood fibres and parenchymatous tissues are found in  
(A) xylem  
(B) cambium  
(C) cortex  
(D) phloem
5. The manufactured food in green plants moves from the leaves to other parts through  
(A) pith  
(B) xylem  
(C) cortex  
(D) phloem
6. Sieve tubes are better suited for translocation because these  
(A) are broader than long  
(B) possess bordered pits  
(C) possess no end walls  
(D) possess a broader lumen and perforated cross walls
7. Simple tissues are these  
(A) parenchyma, xylem and collenchyma  
(B) parenchyma, collenchyma & sclerenchyma  
(C) parenchyma, xylem and sclerenchyma  
(D) parenchyma, xylem and phloem
8. Whose living cells provide tensile and mechanical strength?  
(A) collenchyma  
(B) sclerenchyma  
(C) phloem  
(D) sclereids
9. Which of the following tissues is composed of mainly dead cells?  
(A) phloem  
(B) epidermis  
(C) xylem  
(D) endodermis
10. A simple permanent tissue devoid of intercellular spaces and lignin is  
(A) parenchyma  
(B) collenchyma  
(C) sclerenchyma  
(D) all of these
11. Sieve tubes and companion cells occur in  
(A) xylem  
(B) cambium  
(C) meristem  
(D) phloem
12. Elongated lignified cells with pointed ends belongs to  
(A) collenchyma  
(B) parenchyma  
(C) sclerenchyma  
(D) none of these
13. Elongation of internodes of the stems of grasses is facilitated by  
(A) apical meristem  
(B) lateral meristem  
(C) intercalary meristem  
(D) secondary meristem
14. The tissue composed of living, thin walled cells made of cellulose is  
(A) parenchyma  
(B) collenchyma  
(C) sclerenchyma  
(D) vessels
15. Dead mechanical tissue is  
(A) parenchyma  
(B) sclerenchyma  
(C) aerenchyma  
(D) collenchyma
16. Succulents are capable of storing water in their stems due to the presence of  
(A) parenchyma  
(B) aerenchyma  
(C) collenchyma  
(D) sclerenchyma
17. Sieve tubes are present in  
(A) phloem  
(B) xylem  
(C) collenchyma  
(D) sclerenchyma

18. A fatty substance deposited on the walls of cork cells is  
 (A) cellulose (B) lignin (C) pectin (D) suberin
19. Apart from the conduction of water, xylem also  
 (A) conducts organic food (B) gives mechanical strength  
 (C) helps in gaseous exchange (D) helps in transpiration
20. The cell division is restricted to  
 (A) meristematic cell (B) permanent cell (C) secretory cell (D) all the above
21. Which one of the following can be considered to be dead mechanical tissue?  
 (A) aerenchyma (B) collenchyma (C) parenchyma (D) sclerenchyma
22. Cork cells are impervious to water because of the presence of  
 (A) lignin (B) cutin (C) suberin (D) pectin
23. Which of the following statement(s) is/are correct?  
 (A) water lost by transpiration is pure water  
 (B) the cause of guttation is mainly root pressure  
 (C) rate of transpiration is dependent upon vapour pressure deficit  
 (D) all the above statements are correct

**Fill in the blanks:**

- The study of the structure of tissues and organs is known as \_\_\_\_\_.
- In aquatic plants, fairly large air cavities are present between the parenchyma cells, such a parenchyma is called \_\_\_\_\_.
- \_\_\_\_\_ and \_\_\_\_\_ are obtained from the thick bundles of fibres.
- Xylem is popularly known as \_\_\_\_\_.
- The wall of cork cells are heavily thickened by the deposition of \_\_\_\_\_.

**KEY**

|       |       |       |      |      |      |      |      |      |      |
|-------|-------|-------|------|------|------|------|------|------|------|
| 1. B  | 2.D   | 3.B   | 4.A  | 5.D  | 6.D  | 7.B  | 8.A  | 9.C  | 10.B |
| 11.D  | 12.C  | 13.C  | 14.A | 15.B | 16.A | 17.A | 18.D | 19.B | 20.A |
| 21. D | 22. C | 23. D |      |      |      |      |      |      |      |

**Fill in the blanks:**

- histology
- aerenchyma
- jute, coir
- wood
- suberin

**\*\*\* ALL THE BEST \*\*\***