**Karan Arora**  **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 9th Science Test Max Marks : 25**

**TISSUE [PLANT TISSUE]**

1. Multiple choice questions : [ 1 X 6 = 6 ]
2. Which of the following tissue is responsible for linear growth of an organ?

|  |  |
| --- | --- |
| a) apical meristem | b) lateral meristem |
| c) vertical meristem | d) all the above |

1. The dead element present in phloem are :P

|  |  |  |  |
| --- | --- | --- | --- |
| a) companion cell | b) phloem fibres | c) phloem parenchyma | d) sieve tubes |

1. The tissue mainly concerned with the transportation of water and inorganic solutes (minerals) are :

|  |  |  |  |
| --- | --- | --- | --- |
| a) collenchyma | b) sclerenchyma | c) xylem | d) Phloem |

1. Which of the following tissue has dead cells :

|  |  |  |  |
| --- | --- | --- | --- |
| a) parenchyma | b) sclerenchyma | c) collenchyma | d) Epithelial cells |

1. Meristematic tissue in plants are :

|  |  |
| --- | --- |
| a) localized and permanent | b) not limited to certain region |
| c) localized and continuously dividing cells | d) growing in volume |

1. Flexibility in plants is due to :

|  |  |  |  |
| --- | --- | --- | --- |
| a) collenchyma | b) sclerenchyma | c) parenchyma | d) chlorenchyma |

1. Apical meristem is located at the \_\_\_\_\_\_\_\_\_\_ of main and lateral shoots and roots. [ 1 ]
2. \_\_\_\_\_\_\_\_\_\_\_ is the chief conducting tissue of vascular plants responsible for conduction of food material.

[ 1 ]

1. Name the two types of cell present in Sclerenchymatous tissue. [ 1 ]
2. Define tissue. [ 1 ]
3. Define simple permanent tissue and write name of its components. [ 1 ]
4. Name the components of xylem and phloem. [ 2 ]
5. What are the different kind of parenchyma? Write their special function. [ 2 ]
6. What is differentiation? What does it lead to : [ 2 ]
7. Differentiate between collenchyma and sclerenchyma. [ 2 ]
8. Why are xylem and phloem called as complex tissues? How they are different from one other? [ 3 ]
9. What is meristematic tissue? Classify meristematic tissue and describe them. [ 3 ]

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