

# IX<sup>th</sup> (CBSE)

Date - 23<sup>rd</sup> July 2018

Tissues

Solution

## Section A

1. Meristematic tissue present at growing tips of stems and roots is Apical meristem.
2. Sclerenchyma
3. Connective tissue.
4. White Blood cell present in Blood.
5. Chlorenchyma
6. Cuboidal epithelial.

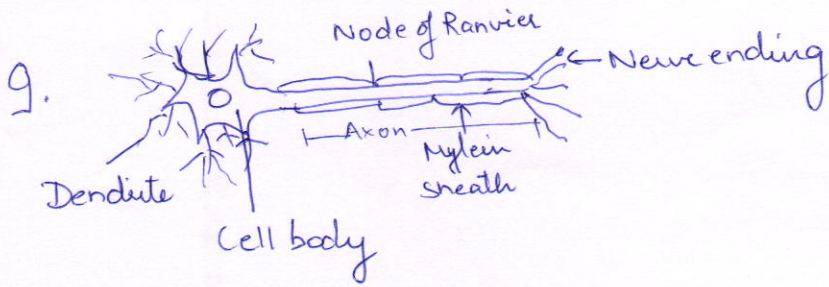
## Section B

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| 7. Chlorenchyma                        | Aerenchyma   |
| (i) Chlorophyll containing parenchyma. | (i) Parenchyma having large air cavities.                        |
| (ii) It helps in photosynthesis.       | (ii) It gives buoyancy to aquatic plants and help them to float. |

8. Sclerenchyma
- (i) It provides strength and enables the plant to bear various stresses.
- (ii) It forms protective covering around seeds and nuts. It gives rigidity, flexibility and elasticity to the plant body.



Section C (2x2=4)



(i) Cell body - It consists of cytoplasm, nucleus and cell membrane. The cytoplasm has typical cell organelles like mitochondria, golgi apparatus, rough endoplasmic reticulum, ribosomes, lysosomes, Nissl's granules (clumps of ribosomes) neurofibrils, neurotubules etc.

\* Neurofibrils play a role in the transmission of impulses

(ii) Axon - It is a single long conducting fibre extending from neuron. It transmits impulse away from cell body

(iii) Dendrites - These are short branched fibres of neuron which receive nerve impulse.

10.

Plant Tissue

