

## Chapter-6

**TISSUES**

## MULTIPLE CHOICE QUESTIONS (1 MARKS)

1. Which of the following tissues has dead cells?

- (a) Parenchyma
- (b) Sclerenchyma
- (c) Collenchyma
- (d) Epithelial tissue

2. Find out incorrect sentence

- (a) Parenchymatous tissues have intercellular spaces
- (b) Collenchymatous tissues are irregularly thickened at corners
- (c) Apical and intercalary meristems are permanent tissues
- (d) Meristematic tissues, in its early stage, lack vacuoles

3. The girth of stem increases due to

- (a) apical meristem
- (b) lateral meristem
- (c) intercalary meristem
- (d) vertical meristem

4. Which cell does not have perforated cell wall?

- (a) Tracheids
- (b) Companion cells
- (c) Sieve tubes
- (d) Vessels

5. Intestine absorbs the digested food materials. What type of epithelial cells are responsible for that?

- (a) Stratified squamous epithelium
- (b) Columnar epithelium
- (c) Spindle fibres
- (d) Cuboidal epithelium

#### VERY SHORT ANSWER TYPE QUESTIONS (1 MARKS)

Fill in the blanks

1. Lining of blood vessels is made up of——.
2. Lining of small intestine is made up of ——.
3. Lining of kidney tubules is made up of——.
4. Epithelial cells with cilia are found in——of our body
5. Cork cells possesses——on their walls that makes it impervious to gases and water.
6. —— have tubular cells with perforated walls and are living in nature.
7. Bone possesses a hard matrix composed of——and ——.

#### SHORT ANSWER TYPE QUESTIONS (3 MARKS)

1. Differentiate between sclerenchyma and parenchyma tissues. Draw well labelled diagram.
2. Differentiate between voluntary and involuntary muscles. Give one example of each type.
  - a) If a potted plant is covered with a glass jar, water vapours appear on the wall of glass jar. Explain why?
3. (a) Name the different components of xylem and draw a living component?  
(b) Cork cells are made impervious to water and gases by the presence of which substance?
4. Differentiate the following activities on the basis of voluntary (V) or involuntary (I V) muscles.

- (a) Jumping of frog
- (b) Pumping of the heart
- (c) Writing with hand

5. a) Water hyacinth float on water surface. Explain.

- b) Which structure protects the plant body against the invasion of parasites?
- c) Why is epidermis important for the plants?

#### LONG ANSWER TYPE QUESTIONS (5 MARKS)

1. Give reasons for

- (a) Meristematic cells have a prominent nucleus and dense cytoplasm but they lack vacuole.
- (b) Intercellular spaces are absent in sclerenchymatous tissues.
- (c) We get a crunchy and granular feeling, when we chew pear fruit.
- (d) Branches of a tree move and bend freely in high wind velocity.
- (e) It is difficult to pull out the husk of a coconut tree.

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