

CLASS: 9
SUBJECT – SCIENCE
CHAPTER – TISSUE
CONCEPT – PLANT TISSUE
WORKSHEET (SUBJECTIVE)

- Q1** If a potted plant is covered with a glass jar, water vapours appear on the wall of glass jar. Explain why? **1**
- Q2** Name the different components of xylem and draw a living component? **1**
- Q3** Water hyacinth float on water surface. Explain. **1**
- Q4** Why is epidermis important for the plants? **1**
- Q5** Differentiate between sclerenchyma and parenchyma tissues. Draw well labelled diagram. **3**
- Q6** Why are xylem and phloem called complex tissues? How are they different from one other? **3**
- Q7** Give reasons for **5**
- (a) Meristematic cells have a prominent nucleus and dense cytoplasm but they lack vacuole.
 - (b) Intercellular spaces are absent in sclerenchyma 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.
- Q8** List the characteristics of cork. How are they formed? Mention their role. **5**
- Q9** (a) Differentiate between meristematic and permanent tissues in plants **5**
- (b) Define the process of differentiation
- (c) Name any two simple and two complex permanent tissues in plants.