INDIAN SCHOOL MUSCAT
SENIOR SECTION
DEPARTMENT OF BIOLOGY
CLASS IX
CH-6 TISSUES (PLANTS)
WORKSHEET –I

ONE MARK QUESTIONS

1. Where is apical meristem found in plants?
2. Name the tissue present in soft parts of the plants like pith and cortex.
3. What are complex tissues?
4. Which plant tissue is associated with conduction of food in plants?
5. Name the chemical substance that makes the cork cells impervious to gases and water.

TWO MARKS QUESTIONS

6. List the characteristic features of meristematic tissue.
7. Differentiate between sclerenchyma and parenchyma tissues.
8. Water hyacinth floats on water surface. Explain.
9. Why is epidermis important for the plants?
10. List the constituents of xylem and phloem.

THREE MARKS QUESTIONS

11. Explain three types of meristematic tissues.
12. Ennumerate three differences between simple and complex tissues.
13. Give the functions of the stomata.
14. Draw the diagram of the section of the tissue responsible for translocation of food in plants. Name the element of phloem which comprises of non living cells.
15. Define the term differentiation. List two functions of collenchyma cells.

FIVE MARKS QUESTIONS

16. Justify the statements giving suitable reasons:
    a) Meristamatic cells have prominent nucleus, dense cytoplasm but lack vacuole.
    b) Absence of intercellular spaces in sclerenchyma tissues.
    c) While chewing pear fruit we get a crunchy and granular feeling.
    d) Branches of a tree move and bend freely in high wind velocity.
    e) It is difficult to pull the husk of a coconut tree.
17. List the characteristics of cork. How are they formed? Mention their role.
18. Draw the labeled diagrams of:
    a) Location of meristematic tissue in plant body
    b) Transverse section of parenchyma, collenchyma and sclerenchyma tissues.
    c) Draw a neat diagram of leaf epidermal peel showing stomata .Label any two parts.

1 Growth in plant is restricted to certain regions. Give reason for this fact. Mention two growth regions in plants.

2 Differentiate between:
a. Chlorenchyma and Arenchyma
b. Xylem and phloem

3 What is the main function of vascular tissues in plants.

4 What would happen if the phloem at the base of a branch is removed and the xylem of root of a plant is blocked?

5 Which structure protects the plant body against the invasion of parasites?