**ATOMIC ENERGY EDUCATION SOCIETY**

**CLASS: VI WORKSHEET 1/1 SUB: SCIENCE**

**LESSON: 7, GETTING TO KNOW PLANTS**

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**I. Fill in the blanks with appropriate words:**

1. Water travels up the stem through …………. inside the stem.
2. The thick vein in the centre of leaf is called ………….. .
3. The design made by ……………. in a leaf is called venation.
4. Leaves have ……………. shapes, sizes, edges, tips, etc.
5. Water comes out of leaves in the form of vapour by a process called ………………. .
6. Green leaves make food from ………………………, air and water by a process called photosynthesis.
7. Potatoes and yams are ………….. . (name the part of the plant)
8. The small fine particles present in the anther are called ………………
9. …………………… is the lower-most part of a pistil.
10. After maturation, the ovary is converted into a ……………

**II. State whether the statements given below are true or false:**

1. Herbs are usually short and sometimes do not have branches.
2. In shrubs, branches arise from the base of the stem.
3. In trees, branches arise from the upper part of the stem.
4. The stem absorbs water and minerals from the soil.
5. Roots hold the plant firmly in the soil.
6. Leaves manufacture the food in the presence of sunlight by the process of transpiration,
7. Plants having leaves with reticulate venation have fibrous roots.
8. All plants have colourful flowers.
9. The pistil is the female reproductive part of a flower.
10. Transpiration and photosynthesis are the main functions of a leaf.

**III. Choose the correct option in the following questions:**

1. Which of the following types of plants has thick, hard and woody stem?  
(a) Tree (b) Shrub (c) Herb (d) All of these

2. Which is not a part of a leaf?  
(a) Petiole (b) Lamina (c) Veins (d) Nodes

3. Parallel venation is not found in ………. **.**  
(a) Sugarcane (b) peepal (c) maize (d) wheat

4. Which one of the following is a function of leaves?  
(a) Photosynthesis (b) Transpiration (c) Both (a) and (b) (d) To support fruit

5. The leaf venation and type of root is correctly paired in …………**.**  
(a) Parallel venation, fibrous roots (b) parallel venation, taproot  
(c) no relation exists in leaf venation and type of roots (d) reticulate venation, fibrous roots

6. The male reproductive part of a flower is ……….. **.**  
(a) Sepals (b) petals (c) stamens (d) pistil

7. Which is the correct set of parts of a pistil?  
(a) Ovary, style and filament (b) Ovary style and stigma  
(c) Ovary, anther and filament (d) Filament and anther

8. Which of the following has fibrous roots?  
(a) Peas (b) Wheat (c) Radish (d) Neem

9. The process of loss of water by a plant through leaves is known as ………….**.**  
(a) Evaporation (b) condensation (c) photosynthesis (d) transpiration

10. Which of the following is not a herb?

(a) Coriander (b) rice (c) spinach (d) rose

**IV. Answer the following questions:**

1. What are ovules?

2. From where do potatoes get the starch?

3. How are leaves attached to the stem?

4. Give five examples for edible roots.

5. How do plants exchange gases with the environment?

6. What type of roots are plants with parallel venation in leaves likely to have?

**7**. How is the stem like a two-way street?

8. Do all the leaves have petioles?

9. What are herbs?

10. What are climbers and creepers? Give some examples.

11. What is a stem?  
12. Define petiole and lamina.  
13. Draw a labelled diagram of the external structure of a leaf.  
14. What are veins?  
15. What is the midrib?  
16. What do you mean by leaf venation, reticulate venation and parallel venation?

17. Explain the main functions of a leaf.

18. Why are leaves generally green?  
19. Select leaves showing reticulate venation and those showing parallel venation from the list given below and write them in the tabular form:

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| Peepal, neem, grass, mustard, methi, coriander, rose, tulsi, mango, sugarcane, maize, mint, wheat, rice |

20. What are lateral roots?  
21. Explain the difference between taproots and fibrous roots with the help of diagrams.  
22. What are the main functions of roots?

23. How do you identify the root system of a plant without pulling it out of soil?

24. Write the functions of sepals and petals.  
25. Write the names of the reproductive parts of a flower.

26. Name the male part of a flower. Draw its labelled diagram.

27. Draw a labelled diagram of the female part of a flower. Name it.

28. Name two flowers with joined petals.

29. Name two flowers with joined sepals.

30. Name two flowers with separated sepals.

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