

National Institute of Open Schooling
Lesson 7- Shoot System
Worksheet-7

1. Stem grows positively phototropic and negatively geotropic. How is it different from roots? Give reasons.
2. How can you differentiate shoot apex from root apex?
3. You have brought ginger, yam, onion, potato, mint and grapes from market. Do you know that all the stem? If yes, name the category of stem with brief explanation also.
4. Prickly pear prepares its own food by photosynthesis. Even though their leaves are modified into spines. Explain.
5. Your friends went to garden and collect different types of leaves such as peepal leaf, grass leaf, palm leaves, rose leaf, neem leaves and tulsi leaves. How will you convince them that these leaves have different venation? Identify the types of venation and draw the diagram of all these leaves.
6. What happens when you soak dry rajma or gram seeds in water for overnight? Name the phenomena and explain the process.
7. Draw an outline diagram of flower and label its different floral parts and mentioned important functions of each part as labeled by you.
8. Why does the single papaya plant cannot bear seeded fruits by itself?
9. Annual rings on wood are very much distinct in the trees of temperate regions. Give reasons in support of your answer.
10. Differentiate placentation of tomato and cucumber.