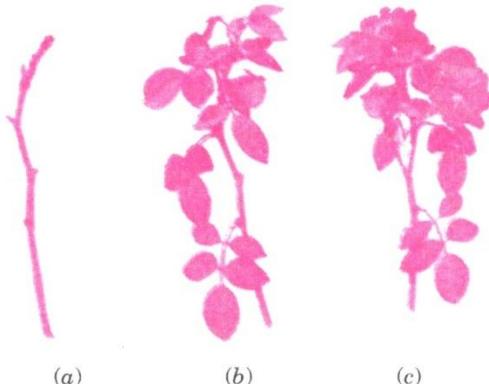


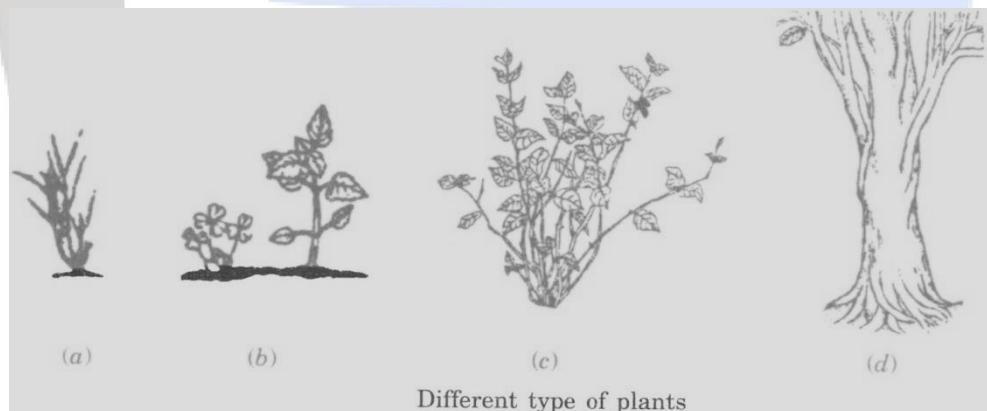
## Additional Important Questions

1. You are shown three branches of a rose in Fig. (a), (b) and (c). Which one will help you best to recognize the plant?



Rose: (a) A leafless branch (b) A branch with leaves  
(c) A branch with leaves and flowers

2. With the help of diagrams tabulate the differences between a shrub and a tree, based on the properties of the stem.
3. from the members of the various groups given below, find the odd one out.
  - (a) Coriander (dhania), mint (pudina), jamun, grass.
  - (b) Rose, mehndi, guava, morepankh.
4. What are creepers and climbers? Give some examples.
5. Look carefully at the plants shown in Fig and identify their type. Are they herbs, shrubs or trees? Are they similar in shape? Which category has the biggest plants and which has the smallest?



## Stem

1. What is stem?
2. Do you agree that stem is like a two way street?
3. Look carefully on the stems arising from various plants growing around you. Based on your observation fill the Table given below:

S. No.	Description of the stem	Name of the plant
1.	Green and tender stem	
2.	Hard, woody, thick brown stem	

3.	Hard, woody, thin stem	
4.	Branches arise from the base of the stem	
5.	Branches arise from the upper part of the stem	

### Leaf

1. Draw a labeled diagram of the external structure of a leaf.
2. Why are leaves generally green?
3. Select leaves showing parallel venation and those showing reticulate venation from the list below and write them in the table given below:

Peepal, neem, grass, mustard, methi, dhania (coriander), rose, tulsi, mango, sugarcane, maize, mint, wheat, rice

### Root

1. What are the main functions of roots?
2. Identify the structure seen in Fig and write three sentences about it. PENDING
3. Explain the difference between taproots and fibrous roots with the help of diagrams.
4. Uproot few different plants around you and study them. In the Table given below note the various parts seen in the different plants.

S. No.	Name of the plant	Root	Stem	Leaf	Flower	Fruit	Seed

### Flower

1. Write is a fruit? How does it differ from a seed?
2. Write the names of reproductive parts of a flower.
3. Do all flowers have four separate whorls? Does any flower have more than four whorls? If so write its name.
4. Name the male part of a flower. Draw its labeled diagram.
5. What is a fruit? How does it differ from a seed?
6. In what sequence does a plant bear?  
Seed, Flower, Fruit
7. How will you cut an ovary in proper way? Show giving sketch.
8. Draw a diagram of L.S. and T.S. of ovary to show ovules and locules.