

PANCHSHEEL PUBLIC SCHOOL
SESSION 2024-25
ENTRANCE EXAMINATION



CLASS - 4
SYLLABUS
STUDY MATERIAL
SAMPLE PAPER

CLASS-IV

SCIENCE

SYLLABUS

- 1) THE PLANT FAIRY
- 2) OUR FIRST SCHOOL : THE FAMILY
- 3) OUR FRIENDS: ANIMALS





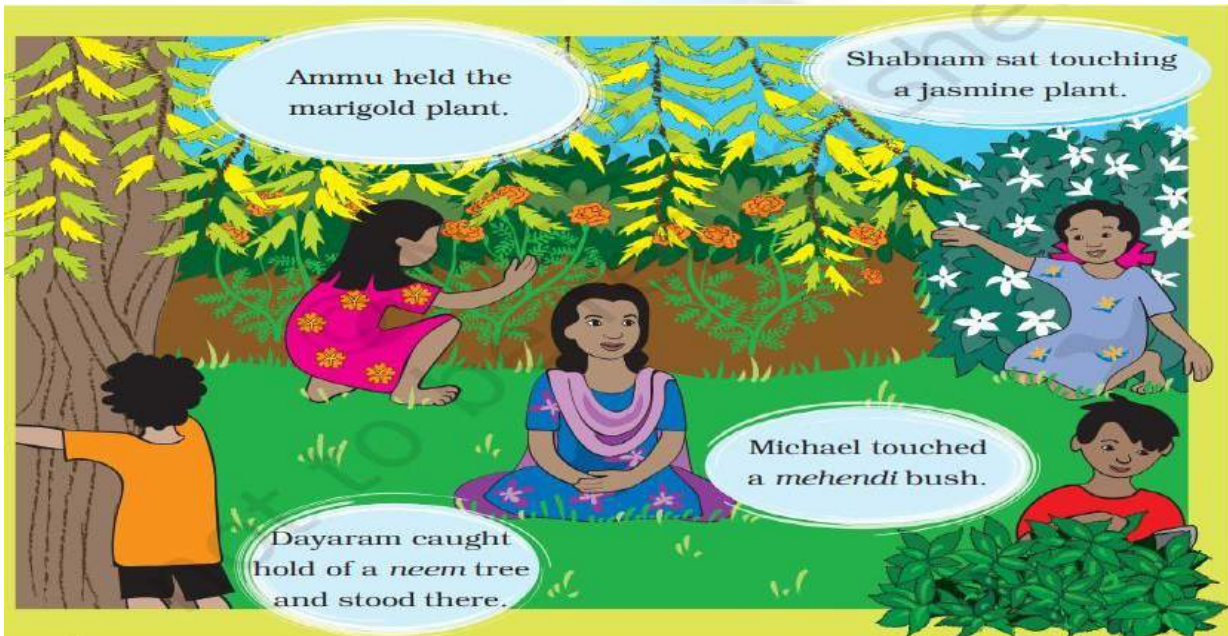
PANCHSHEEL PUBLIC SCHOOL
10+2 Senior Secondary School (Affiliated & Recognized by CBSE)
Jaitpur, Badarpur, New Delhi-44
SESSION - 2024-25
ENTRANCE EXAM
STUDY MATERIAL AND SAMPLE PAPER

CHAPTER – 1

THE PLANT FAIRY

Last Sunday, we went to a garden in the neighbourhood. We played Hide and Seek (Chhupanchhupai) and Antakshari. We had a lot of fun. After sometime, Didi said, "Let us play a new game today. We had played this game in the camp last year. I will become a 'Plant fairy'. The 'Plant fairy' will call out a name of something and you all will have to touch it".

The game began. Didi said, "The 'Plant fairy' asks you to touch a plant. At once, all the children ran towards the plants".



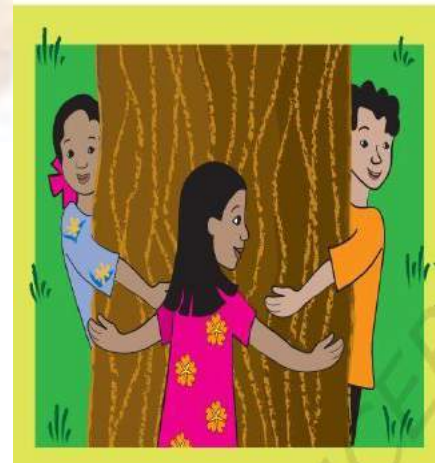
Didi said, "Very good! Everyone has touched a plant. But have you noticed that all the plants are different from each other?"

The game started again. The 'Plant fairy' now said "Touch a tree which has either a thick or a thin trunk"

The children ran again to touch the trees with thick or thin trunks.

Now, it was Michael's turn to be the 'Plant fairy'

Michael said, "Get me some leaves quickly. But remember you are not to pluck the leaves from the plants", said Didi. The children ran to collect the leaves which were lying on the ground

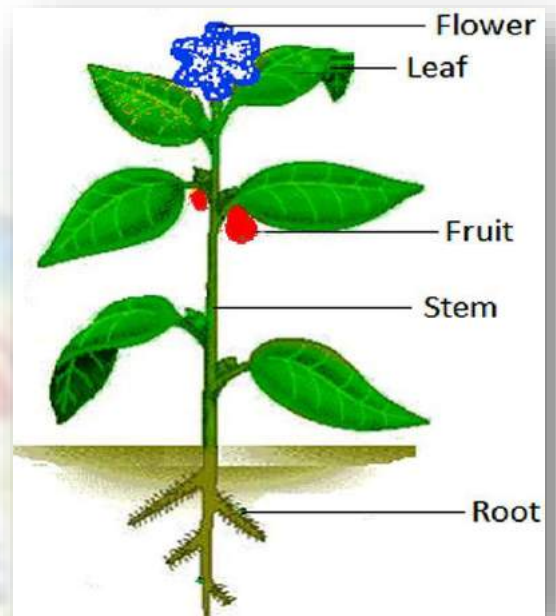


After this Didi started speaking about the parts of a plant to everyone.

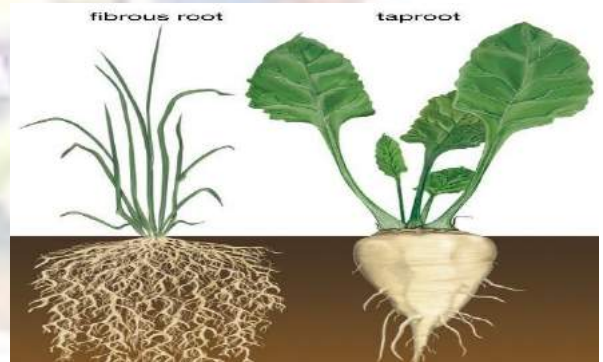


Plants are living things. They need air, water and food to grow. Plants are different from animals in one very important way i.e., they make food for themselves. Animals cannot do this. They depend on plants for their food. A plant has different parts which have their own different functions: -

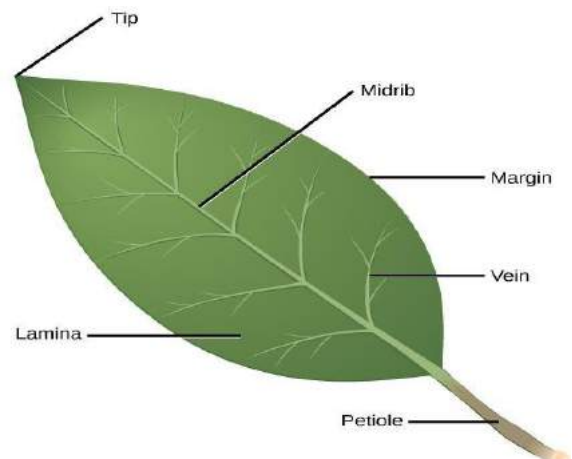
The part of the plant that grows under the ground is called root. The parts of the plant that grows above the ground is called shoot.



1. Root – It keeps the plant firm in the soil and absorbs nutrients from the soil.



2. Stem – It provide support to plant and helps to carry water and minerals to the leaves.





3. Leaf – Leaf is the kitchen of a plant. It consists green pigment called chlorophyll that help to make food for all the parts of a plant.

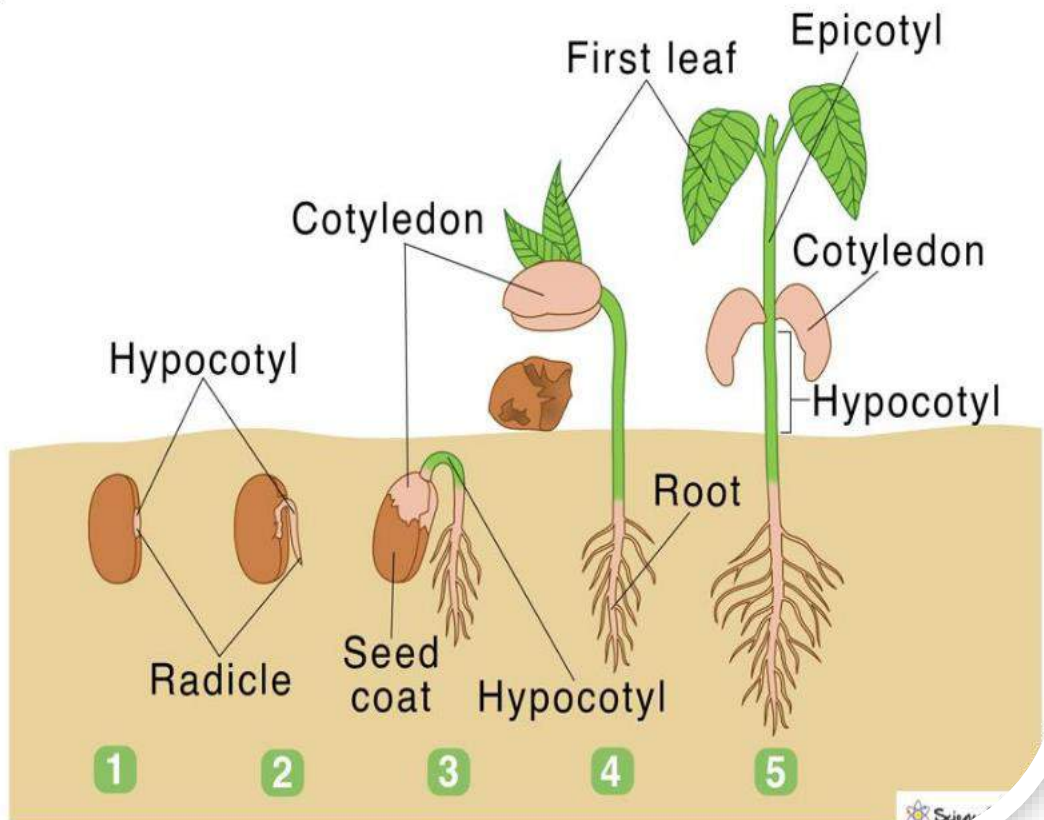
4. Flowers – They are the most beautiful part of the plant. Flowers are the reproductive part of the plant. Their main function is to produce fruit and ultimately the seeds.

5. Fruits and Seeds – Fruits and seeds vary in shape, size and colour. Some fruits that we eat are mangoes, orange, watermelon, apple and papaya. Seeds have baby plants inside them. When ~~the~~ seeds get air, water and warmth, they grow into new plants.



The growing of a seed into a new plant is called germination.

Seed Germination



CHAPTER – 2

OUR FIRST SCHOOL: THE FAMILY

We learn so many things when we come to school. but do you know which is our first school? Yes, it is our family. We learn so many things from our family – much before we learn from anywhere else. This is because we are so close to our family. But we really never give it a thought. Let us think about our family and talk about it.



We start learning from our family.

Our family teaches us many things like speaking, eating, writing, etc.

We learn many things from our elders.

We have different relations with each member of our family.

We have father, mother, brother, sister, grandfather, grandmother, uncle, aunt, cousin, etc.

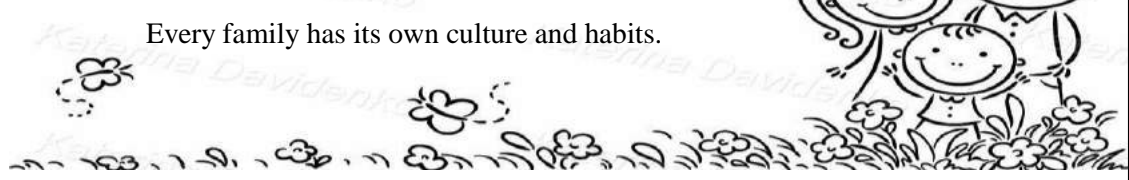
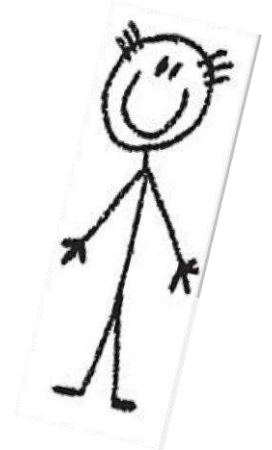
Habits of family members can be similar like way of talking, way of walking, way of sleeping, etc.

Family members love and care for each other.

Sitamma's Family:

- Sitamma lives in Guntur, a small town, in her ancestral home.
- On the ground floor, her dada, dadi, younger chacha, and bua live.

Every family has its own culture and habits.





- Sitamma shares a section of the first floor with her father, mother, and younger sister Gitamma. Her tauji and his three children live in the other half of the house.
- Her taiji had recently passed away. Her elder chacha and the new chachi share one of the terrace rooms. They are newly weds.
- Sitamma's mother teaches all the children before dinner.
- On the ground floor, food for the entire family is prepared in the same kitchen.
- They make a concerted effort to eat dinner together.
- Tauji's younger daughter now spends the night with Sitamma's mother. Sitamma assists her in getting ready for

school in the morning.

- So, we can see Sitamma's family is an example of a Joint family where everyone stays together.

In this family we can see mother, father, grandmother, grandfather, sister, brother, uncle, aunt and their children. This is large family. We can call this family a Joint-Family.



Tara's Family

- Tara lives in Chennai with her Amma and nana.
- Meenakshi, her Amma, is not married. Tara has been adopted by her.
- Meenakshi goes to work in the morning and comes home at night.
- Tara's nana looks after her when she gets home from school.
- He feeds her, assists her with her homework, and also plays with her.
- During their vacations, the three of them travel to far-flung locations and have a good time.





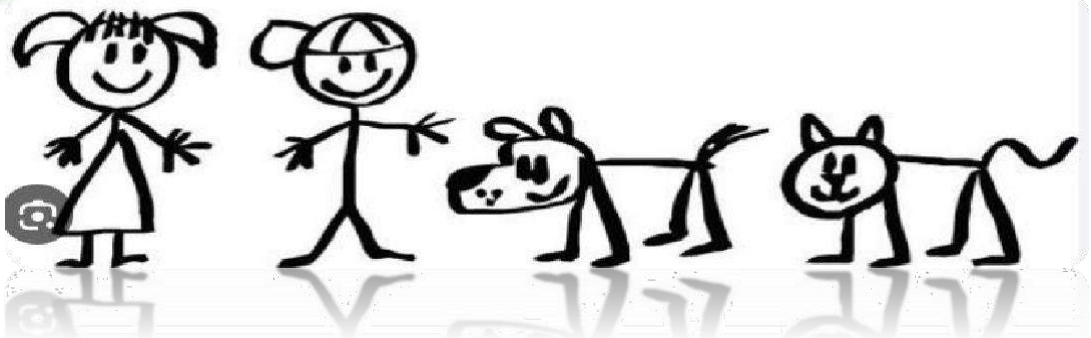
- Tara's mausi, mausa, and their children visit them from time to time. They chit-chat and play together for long time whenever they are together.
- Tara's family is an example of a nuclear family of a different kind where Tara is an adopted child though everyone loves her endlessly.

In this picture we can see only three members mother, father and a child. This is a small family. This type families we can be called nuclear family.



Let us learn about our family members and their relationship with: -

S.no	Name	Relationship
1.	Mother or father's son	Brother
2.	Mother or Father's daughter	Sister
3.	Mother or Father's Brother	Uncle
4.	Mother or Father's Sister	Aunt
5.	Mother or Father's Mother	Grandmother
6.	Mother or Father's Father	Grandfather
7.	Son's Wife	Daughter-in-law
8.	Daughter's husband	Son-in-law
9.	Husband or wife sister	Sister-in-law
10.	Husband or wife brother	Brother-in-law
11.	Brother's Son	Nephew
12.	Brother's Daughter	Niece
13.	Uncle or aunt's son or daughter	Cousin



CHAPTER – 3

OUR FRIENDS: ANIMALS

The children in the class were startled on hearing the sound tak. The sound came from the ceiling fan. Kalyani shouted — Look, look a bird is hurt. Peter got up at once and picked up the bird. It was in pain.



Navjyot and Ali quickly brought water in a bowl. Peter lovingly patted the bird. They held the bowl to the bird's beak. It drank a little water and slowly started flapping its wings. Navjyot told all the children to move back. They noticed that the bird was trying to fly. In a while, the bird flew away...



Next day the children saw a bird circling above them in their classroom. The children tried to find out whether it was the same bird that was hurt the previous day. They quickly switched off the fan and started to clap.

Birds are the most wonderful creatures. There are many colourful birds around us. Birds have wings and feathers to fly. They have beaks and claws. They use their beaks and claws to catch, hold and eat. We all love to watch them. Inspired from the birds human beings invented aeroplanes.



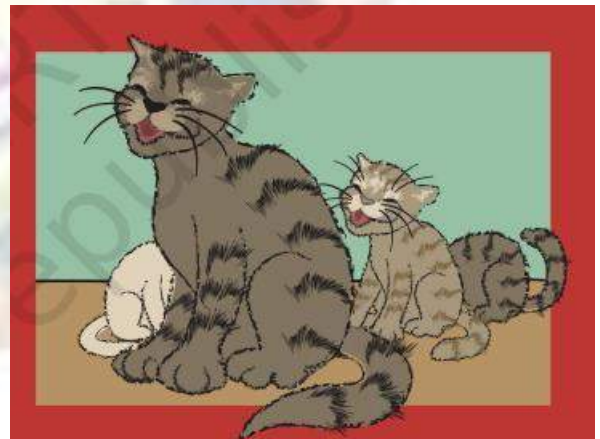


Special features of birds :

We know that a bird can fly, while other animals cannot. What makes a bird fly? A bird has many special features that other animals do not have.

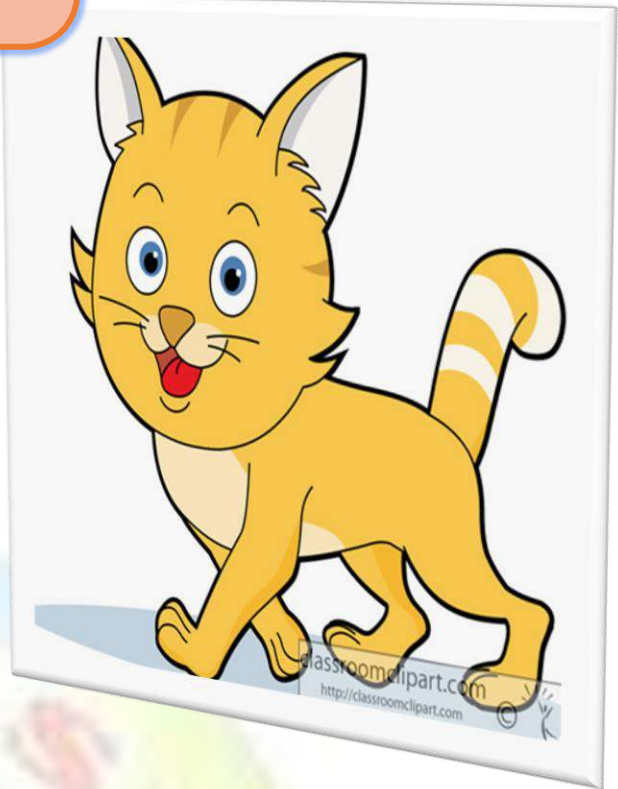
1. A bird has very light body. It helps it to remain in the air for long time.
2. The bones of a bird are hollow and filled with air. This makes them light. Though its bones are light but they are very strong.
3. The body of a bird is boat-shaped. This helps it to cut through the air.

Shankar was very happy. A cat had given birth to four kittens in the courtyard of his house. He started spending his free time with them. One morning Shankar was woken up by the cat's cry. (Do you know how a cat cries?) He ran towards the courtyard and saw that the cat was crying and cuddling its three kittens. One of the kitten was missing. He went outside and found Malini patting a kitten. Shankar called Malini into his courtyard where she saw the cat crying.



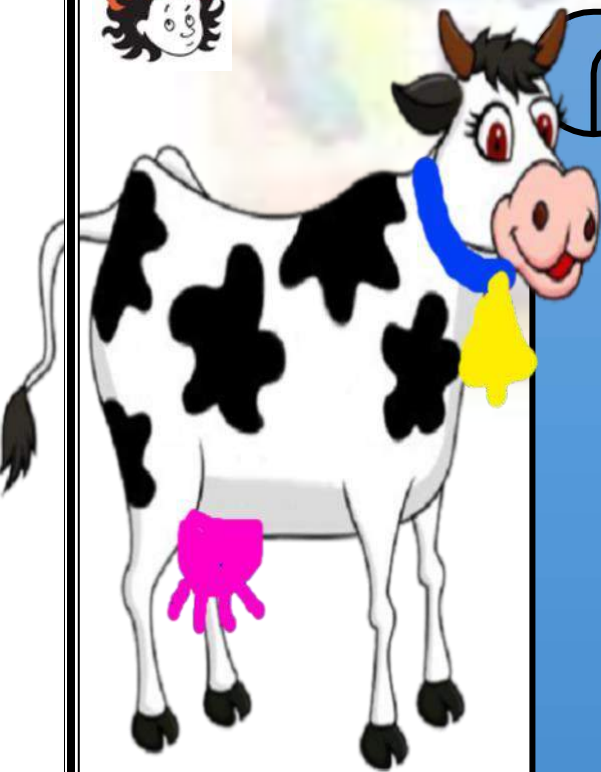
What do you think Malini would have done ?

1. Cat is the most beautiful domestic animal.
2. Cat is found in almost every house.
3. It has sharp eyes and two beautiful ears.
4. It is a four-legged animal.
5. They eat fish, milk, and meat.
6. Cats love to stay in warm places.
7. They have really good eyesight.
8. They can climb a tree so quickly.
9. Kids love cats so much.
10. I love cats as a pet.



Bholi is Meenu's cow. Meenu daily takes Bholi to the field for grazing. One day a speeding scooter hit Bholi and hurt her leg. The wound was bleeding heavily.

What will people in Meenu's family do?



1. The cow is a domestic animal.
2. It is mostly white or light brown or black in color.
3. The cow has four legs and a tail.
4. It lives in sheds in farm fields.
5. Moreover, it is a soft and gentle animal.
6. The cow eats grass and leaves.
7. It is a very useful animal.
8. It gives us milk which we drink every morning. Milk is good for our health. This milk is the only food for newborn babies if they do not get breast milk.
9. The cow dung is an agricultural fertilizer. It is mixed with water and sprayed in front of the houses to repel insects, mosquitoes, etc.



PANCHSHEEL PUBLIC SCHOOL

10+2 Senior Secondary School (Affiliated & Recognized by CBSE)

Jaitpur, Badarpur, New Delhi-44

SESSION - 2024-25

ENTRANCE EXAM

SAMPLE PAPER-IV

Q1. Select the best option: -

(1X5=5)

(1) In the garden, Michael touched a

- (a) neem tree (b) jasmine plant (c) marigold plant (d) mehndi bush

(2) The last game the children played in the camp was

- (a) Antakshari (b) Chhupanchhupai (c) Plant Fairy (d) None of these

(3) Which of the following has thick trunk?

- (a) Neem (b) Tulsi (c) Mint (d) Rose

(4) My..... is not a member of my family.

- (a) mother (b) father (c) best friend (d) brother

(5) By which body part do birds eat and drink?

- (a) Beak (b) Hands (c) Trunk (d) Nose

Q2. Write the type of family shown in the pictures. Tick (✓) the type of family you have.

(1X2=2)

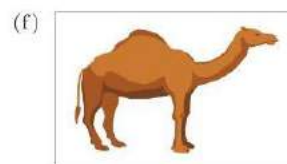
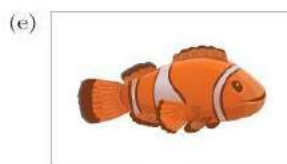


(a) _____

(b) _____






Q3. Identify the following animals as pet, farm and wild animals by writing 'P' for pet, 'F' for farm and 'W' for wild animals.

(1X6=6)



Q4. Competency Based Question: - (1X3=3)

Radhika is a student of Class IV. She gets an assignment of science subject from chapter parts of plant. She is unable to solve the matching given in her assignment. The matching contains two columns. In Column A is the product we get from plants and other in Column B contain parts of plants from which the product is made. Can you help her to complete the assignment?

Column A	Column B
(i)  Medicines	(a) Jasmine, Rose, Sandal
(ii)  Perfumes	(b) Carrot, Radish Spinach
(iii)  Oils	(c) Neem, Basil, Mint
(iv)  Fruits	(d) Coconut Soyabean Mustard,
(v)  Vegetables	(e) Apple, Mango, Grapes