



SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi

CLASS-V (2020-21)

Sub: SCIENCE

ASSIGNMENTS-2



Class : V

Subject : Science

Lesson :1 More About Plants

- Dispersal of seeds : It is a process by which seeds are scattered or transported away from the parent plant.
- Dispersal of seeds is necessary so that the new plants have enough resources like air, water, minerals , nutrients , sunlight and space to grow. If all the seeds are deposited close to each other , not as many of them will survive to adult plants.
- Agents of dispersal : Dispersal of seeds is carried out by wind , water , animals and by explosion of fruits. These are called agents of dispersal.
 - a) Wind : Small and light weight seeds can be carried long distance by the wind to the place which is suitable for growth. Some seeds have wing like structure that help them float in the air . Eg - jacaranda drumstick and maple where as some seeds like cotton and dandelion have fine , long hair around them .
 - b) Water : The seeds of plants like lotus and coconut are dispersed by Water. Coconuts are well known for their ability to float on water As these have fibrous outer covering with air trapped between their fibres. Similarly the lotus fruit is spongy and floats easily .
 - c) Animals : Animals disperse seeds in several ways .Some seeds have hooks, hairs and spines on them which stick or attach to our clothes,

animal's fur or feathers. Then the seeds are carried to a sufficient distance

from the parent plant to get proper space to grow . Eg – Xanthium seeds have hooks and spines or stiff hair on them . Birds often swallow some seeds which are dropped in other locations. Human beings and animals eat fruits such as mango , papaya , watermelon etc. and throw away the seeds that can grow into a new plant.

- d) Explosion of fruits: Some fruits like peas , geranium , poppy and balsam burst

Open or explode when dry . The force of explosion sends the seeds as far as

Possible from the parent plant .

Exercises

- 1) Fill in the blanks :

- a) The scattering away of seeds from the parent plant is called _____ of seeds.
- b) Seeds of cotton are dispersed by _____.
- c) Seeds of _____ have wings for dispersal.
- d) The _____ fruit is spongy and floats easily in water.

- 2) Write the agents of dispersal:

Seeds

Agents of dispersal

- a) Peas
- b) Coconut

c) Drumstick

d) Jacaranda

e) Mango

3) Write true or false :

a) Seeds of Xanthium have hooks or spines.

b) Seeds of poppy are carried away by wind.

4) Name the following :

a) Two seeds dispersed by water - _____,
_____.

b) Two agents of dispersal - _____, _____.

c) Two seeds dispersed by explosion - _____, _____.

5) Define the term seed dispersal.

6) Why must seeds be dispersed? (Why is dispersal of seeds necessary?)

