

SECOND TERM SAMPLE PRACTICE PAPER

Class 5

BASIC SCIENCE

Time : 2 Hours

Score : 30 Marks

Instructions

- 15 minutes is given as cool - off time. This time is to be used for reading the question paper.
- Attempt any 6 from the 8 activities given below.

Activity 1:

Seena is trying to find out which materials dissolve in water and which do not. As a first step, she made a list of things around her. Based on the list, she guessed which materials would dissolve and which would not. But when she did the experiment, she found many of her guesses were wrong. Here are Seena's guesses:

Dissolves in Water	Does Not Dissolve in Water
Sugar	Copper Sulphate
Tea powder	Baking soda
Chilli powder	Iron powder
Potassium permanganate	Salt
Sand	Soap powder

- A.** Find the mistakes in Seena's list and correct them.
- B.** Which gas is dissolved in soda water?
- C.** When sugar dissolves in water, what are the solute, solvent, and solution?

Activity 2:

Analyse the table showing the daily usage of Pure water:

Purpose	Usage (in litres)
Drinking	2.5 - 3.5
Cooking food	3.0 - 4.0
Bathing and washing clothes	30.0
Washing animals	25.0
Washing vehicles	50.0

- A. Examine the table and find which activities waste Pure water
- B. What is the percentage of water present in human blood?.
- C. Create a poster to make students in your school aware of preventing Pure water wastage.

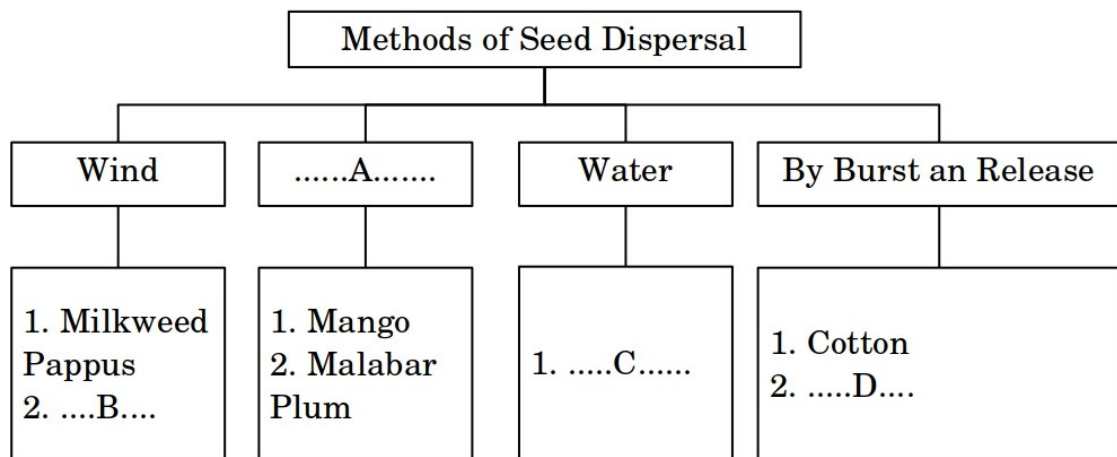
Activity 3:

The seeds of plants are distributed to various places. As a result, different plants are found in one region, and the same plant can be found in various regions. Plants use several methods for seed dispersal.

A. From the given plants, identify which ones are dispersed by birds:

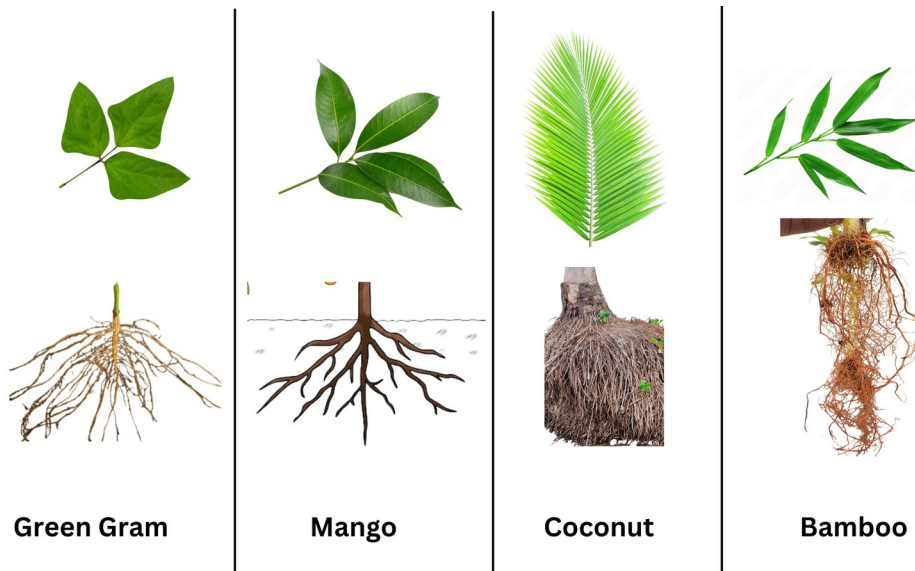
- a. Coconut
- b. Guava
- c. Ladies Finger

B. Complete the flowchart on seed dispersal.



Activity 4

Observe the pictures of leaves and roots of plants like *Green gram*, *Mango*, *Coconut*, and *Bamboo*.



- A.** Observe the image and identify two plants with the same venation pattern
B. Write the names of the venation patterns and root systems for each plant

No	Plant	Type of Venation	Root system
1	Green gram		
2	Mango		
3	Coconut		
4	Bamboo		

Activity 5

Examine the images of the constellations given below.

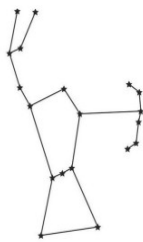


Image 1





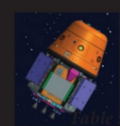
Image 2

- A.** Identify the names of the constellations in the images.
B. In which month can the constellation in Image 1 be seen in the sky?
C. How many stars can be clearly seen in Image 2 ?
D. Write the name of the software that helps with sky watching.

Activity 6

Indian Space Research Organization (ISRO) plans many space missions like Chandrayaan

- A.** Complete the table appropriately.
B. Space stations are laboratories established in space. What are the problems faced by those who go to space stations?
C. The moon is the Earth's natural satellite. The moon's non luminous nature is one of its defining characteristics. Write two more characteristics of the moon

Mission		Objective
A		Mars expedition
Aditya L1		B
Gaganyaan		Space expedition

Activity 7

A. Complete the missing parts in the following table:

Artificial Satellite	Major Use
INSATA.....
.....B.....	Astronomical Study
GSAT 7C.....

B. Write the name of the Indian system similar to GPS

C. Rocket launches are carried out from specific centres. Some information about such centres in our country is provided below:

- It is located in Sriharikota, Andhra Pradesh.
- It started operations in 1971.
- What is the name of this rocket launch centre?

Activity 8

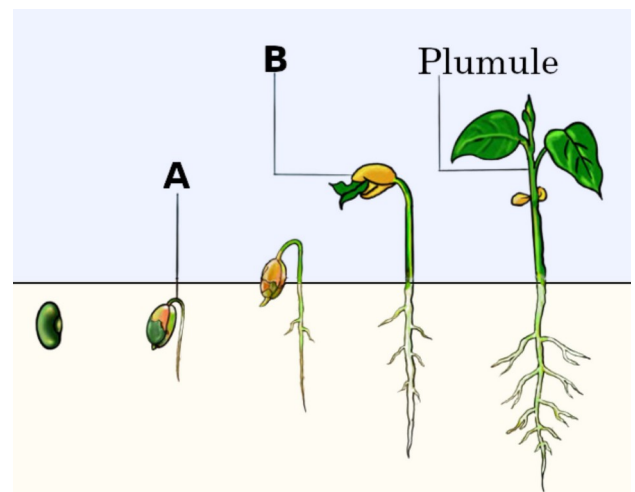
Examine the image provided here.

A. Write what A and B represent in the image.

B. What is the change occurring in each part?

C. Classify the following plants based on the planting materials used.

Paddy,
Tapioca,
miracle leaves plant(bryophyllum),
bread fruit,
pea, jasmine,
curry leaves,
Ground palm(nilappana)



Scoring Key

Class 5

Basic Science

Score 40

No	Key points		Score	Total
1	A	listing substances that dissolve in water and those that do not Dissolve	2	5
	B	Carbon Dioxide	1	
	C	Identifies and correctly writes the solute, solvent, and solution	2	
2	A	Lists any two situations from the table where water is wasted	2	5
	B	94.00%	1	
	C	Creates Poster	2	
3	A	Guava	1	5
	B	Finds and writes the appropriate options for A, B, C, and D	4	
4	A	Pair A: Green Gram and Mango or Pair B: Coconut and bamboo	1	5
	B	Records the correct Venation and root system of four plants	4	
5	A	Records the correct names of two constellations	2	5
	B	December	1	
	C	Seven Stars	1	
	D	Stellarium, K Star, etc	1	
6	A	Finds and writes the appropriate options for A and B	2	5
	B	any two problems faced by the astraunots	2	
	C	Any two characteristics of the moon	1	
7	A	Finds and writes the appropriate options for A, B, and C	3	5
	B	Indian Regional Navigation Satellite System (IRNSS).	1	
	C	Satish Dhawan Space Centre - SDSC	1	
8	A	Radicle, Cotyledon	1	5
	B	The change occurring in each part	2	
	C	Classifies in the correct way	2	