



INDIAN SCHOOL AL WADI AL KABIR

DEPARTMENT OF EVS [2023 – 2024]

LESSON: **GROWING PLANTS**

WORKSHEET - 2

RESOURCE PERSON: Ms. MIDHAT FATIMA

NAME: _____ CLASS: V SEC: _____ DATE: _____

Q1. Students of Class V performed the following experiments. Read the observations recorded by them. Give reasons to explain the observations.

Experiment 1: Moosa filled a container with water and immersed a handful of moong seeds. He then poured a layer of oil on top of the water.

Observation: The seeds did not germinate.

Reason / Inference: _____

Experiment 2: Trupti wrapped some seeds in wet cotton and put them in the freezer.

Observation: The seeds did not germinate.

Reason / Inference: _____

Experiment 3: Lobo placed some seeds in a container and kept the container in a warm, dry place.

Observation: The seeds did not germinate.

Reason / Inference: _____

Conclusion: _____, _____ and _____

are necessary for germination of a seed.

Q2. State whether the given statements are True or False.

- The madar seed disperses through explosion. _____
- The sweet potato reproduces through roots. _____
- A new bryophyllum plant grows from its stem. _____
- Bougainvillea reproduces new plants from its underground stem. _____

Q3. Match the columns to make a correct set based on the information given about the dispersal of seeds.

Seeds	Mode of dispersal	Adaptations for dispersal
1. sycamore	a. wind	i. Seeds have tufts of hair around them which help them to be carried away by wind.
2. xanthium	b. water	ii. On explosion of fruits (when they become dry) seeds get scattered away due to the force of the explosion.
3. geranium	c. animals/ human being	iii. Thick fibrous coat with air trapped inside help float in water
4. coconut	d. explosion	iv. Seeds are light in weight and have wings attached to them that help them to be carried away by wind
5. madar		v. Seeds have hooks around their body that help them to stick to the body of animals or clothes of human beings
1 - ____ - ____	2 - ____ - ____	3 - ____ - ____ 4 - ____ - ____ 5 - ____ - ____

Q4. For question numbers 1 and 2, two statements are given - one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes a), b), c) and d) as given below.

- a) Both A and R are true and R is correct explanation of the A
- b) Both A and R are true but R is not the correct explanation of the A.
- c) A is true but R is false.
- d) A is false but R is true.

1) Assertion: The bryophyllum plant has buds on the edges.

Reason: Buds of the bryophyllum plant disperse through explosion.

Ans: _____

2) Assertion: Some plants reproduce from stem cutting.

Reason: New plants of onions grow from bulbs when they get suitable conditions.

Ans: _____

3) Assertion: Fern and moss reproduce through spores.

Reason: They do not produce seeds.

Ans: _____