

SBIOA SENIOR SECONDARY SCHOOL-TRICHY

STD: V Ln-1 PLANTS: THE SOURCE OF ALL LIFE SUB:EVS

STUDY MATERIAL

I. Fill in the blanks:

- 1.The part of the seed which has stored food for the baby plant is the **seed leaf**.
- 2.**Wheat and gram** are examples of crops grown in the winter.
- 3.A fruit dispersed by wind has **hooks or spines**.
- 4.The process that prevents over-crowding and ensures the survival of seedlings is **seed dispersal**.
- 5.**Bryophyllum** can reproduce through its leaves.

II.Form similar pairs of words:

- 1.Potato and eyes / rose and **stem cutting**.
- 2.Jute and clayey soil / cotton and **black soil**.
- 3.Manure and cow dung / **urea** and superphosphate.
- 4.Bean and dicot / maize and **monocot**.

III.Say if the sentences are true or false:

- 1.All seeds do not grow into plants – **True**.
- 2.When a seed germinates,a tiny shoot comes out of the seed first – **False**.
- 3.The fibres that surround the cotton seed help it to get scattered away from the parent plant – **True**.
- 4.Jowar and bajra require plenty of water for cultivation – **False**.

IV.Answer in one word:

- 1.Alive but not growing – **dormant**
- 2.A baby plant – **embryo**
- 3.A plant grows from a seed – **Germination**
- 4.Distribution of seeds - **dispersal**

5. Winter crops – **Rabi**
6. Summer crops – **Kharif**
7. Removal of unwanted plants – **Weeding**

V. Answer in brief:

1. Name the agent / mechanism of dispersal of the following:

- (a) dandelion – wind
- (b) lotus – water
- (c) guava – animal
- (d) pea – explosion

2. What is a crop? Name two cereal crops.

Ans: Plants that are grown in large quantities by humans for food and other purposes are called crops. Cereal crops – rice, wheat.

3. Name the process by which a seed grows into a plant. Explain the conditions necessary for the process.

Ans: The process by which a plant grows from a seed is called germination. The germinating seed needs air, nutrients, water, and sunlight.

4. What is meant by dispersal of seed? Why is it important?

Ans: The distribution of seeds away from the parent plant is called dispersal. The dispersal of seeds are very important as they help a plant to make more of its kind.

5. How can crops be protected from damage when they are cultivated and stored?

Ans: Crops can be protected,

- *From insects by using pesticides.
- *From animals by fencing the fields.
- *From birds by placing scare crow in the fields.
- *Crops in the granaries are protected from moisture and stored in dry air tight containers.
- *Crops are also protected from rats and mice.

VI. Answer in detail:

1. Explain how plants are useful for life on earth.

Ans:Plants,

*Absorb carbon-di-oxide and releases oxygen that provides clean and fresh air.

*Gives us food directly or indirectly.

*Provide shelter to some animals.

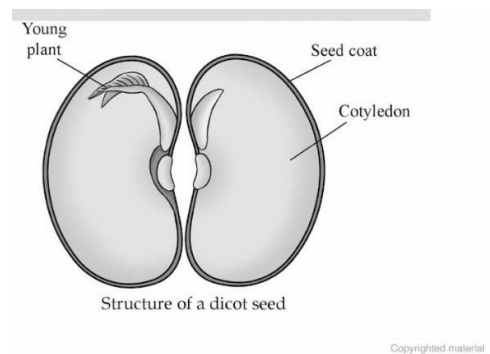
*Regulate water cycle.

*Prevent soil erosion.

*Gives us materials like clothes,medicines,paper etc.,

VII.Draw the following:

Bean seed



Germination of a seed

