

A01 - 29 1/2
A02 - 16
A03 - 11 1/2
A04 - 3

60

T.I. SCHOOL
AMBATTUR, CHENNAI-53

SUMMATIVE ASSESSMENT - 1 OCTOBER 2022

CLASS: V MARKS: 60
SUBJECT: SCIENCE TIME: 2 HOURS
ROLL NO: _____ NAME: _____

Identify the type of consumer in a food chain.

- A01 Remembering

I. A. Fill in the blanks with the words herbivores, carnivores or omnivores. 2 Marks

1. Pigs eat fish as well as some fruits, so they are _____.
2. Rabbits eat vegetables, so they are _____.
3. Tigers eat the flesh of deer, so they are _____.
4. Squirrels eat nuts and seeds of plants so they are _____.

Identify the structure that help in seed dispersal

A01 Remembering

B. Fill in the blanks with the structure that help in seed dispersal.

Pod, light weight husk, light, small, fleshy

2 1/2 Marks

1. Wind dispersed seeds are _____ and _____.
2. Water dispersed seeds have _____.
3. Seeds dispersed by animals are _____.
4. Seeds dispersed by explosive actions have _____.

Understand and apply the concept learnt

- **A01** Understanding

II. Circle the conditions that are definitely needed by seeds to germinate.

2 Marks

Water, air, light, suitable temperature, fertilizer.

III. Choose the sentences that show good cultivation practices.

Tick the correct options.

2 Marks

A01

Remembering

1. Harvesting crops using machines.
2. Fencing fields
3. Irrigating fields with hose pipe
4. sowing seed using seeder machines
5. Step farming on hills
6. Always growing same crop on same land.

Relate the animal with their breathing organ

IV. Match the animal with their breathing organs.

A01 4 Marks

1. Frog - Gills ()
2. Whale - nostril ()
3. Fish - Spiracles ()
4. Grasshoppers- blow holes ()

Remembering and understanding

Relate the plant structure and mode of dispersal.

V. Write the mode of seed dispersal in the following plants.

Understanding

A01

4 Marks

Water, wind, Animals, Explosive action

a. Dandelion- _____

b. Coconut- _____

c. Tomato- _____

d. Pea- _____

Identify the flower parts and relate with their function.

Understanding

A01

VI. Write true or false, if false correct the statement.

5 Marks

1. Pollen grains get transferred from stigma to anther -

2. Sepals protect the bud. -

3. Stamen is the male reproductive part of a flower -

4. Ovules are situated inside the ovary -

Comprehend and explain the adaptations in animals.

VII. Read the text and answer the questions in one or two sentences

4 marks

Both pigeons and bats use only two limbs for walking as their upper limbs are modified into wings.

Understanding, A01, A02
Analyse

a. How are wings useful for these animals?

b. Write one difference between the wings of bat and pigeons.

Creative representation of the parts of a flower

Remembering

VIII. Draw a well labelled diagram of pistil and stamen of a flower. A01

4 Marks

Observe and compare the type of reproduction

Remembering and
understands
A01, A02

IX. Observe the picture of a tapioca plant and answer the questions.

4 Marks



- A. Name the method of reproduction _____
- B. Which part of the tapioca plant can grow into new plants – stem, roots, or leaves?

- C. Name 2 more plants that reproduce in the same way.

Sequencing the fact learnt

Applying
A03

X.A. Arrange the stages of germination in the correct order

2 1/2 + 2 = 4 1/2 Marks

- A. Leaves grow on the stem and start making food. ()
- B. The seed coat absorbs water, swells and bursts open. ()
- C. Roots emerge from the seed and grow downwards. ()
- D. The stem grows from the seed above the soil. ()
- E. Cotyledons fall off the young plant. ()

b. Give 2 differences between the stages of germination shown in the pictures.

STAGE A



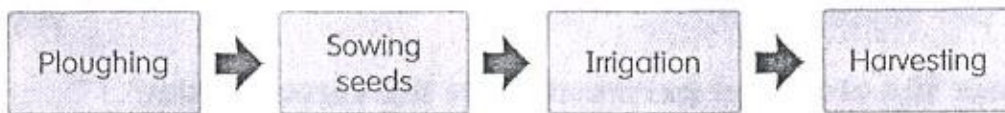
STAGE B



Analyze

2. Farmer followed these 4 steps when growing wheat in his field. 4 Marks

A03
Applying



A. Which steps of cultivation did the farmer not do? Answer in 1 to 2 sentences

B. How will it affect the crop yield?

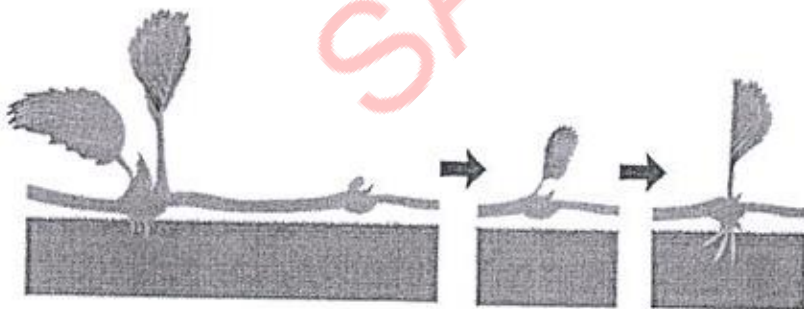
Infer the data from the pictorial representation

A03, A04

Analyze

XI. Observe the method of reproduction in plant given below and answer the questions.

6 Marks



A. In the picture, through which part is the new plant growing?

B. Give an example of a plant which reproduces by this method.

C. Explain how the plant reproduces by this method. Answer in 4-5 sentences.

SAMPLE

XII. Answer the following

HOTS

Applying

1. Which one is likely to grow well if wrapped in a black cover- a green gram plant or a green gram seed? Give reason for your answer.

4 Marks

A02

2.a. Write a food chain that can be seen in the sea.

4 Marks

A02

b. In the above food chain name the living thing that will have

a. highest energy -

b. lowest energy -

Differentiate the organic and inorganic fertilizers

3. Write the differences between organic fertilizers and inorganic fertilizers.

4 Marks

A02

Organic fertilizers	Inorganic fertilizers

SAMPLE