

T.I. SCHOOL

AMBATTUR, CHENNAI 53

SUMMATIVE ASSESSMENT- OCTOBER – 2022

CLASS : IV

MARKS : 60

SUBJECT : SCIENCE

TIME: 2 HOURS

ROLL NO: _____

NAME: _____

I Write one food that each of these animals eats. (4x1=4)

Skill :Identify food eaten by different animals A01



a.



b.



c.



d.

II Sort the plants into two groups :plants with chlorophyll and without chlorophyll (4x1/2 = 2) A01

Skill: Identify plants with and without chlorophyll

Venus fly trap, Rafflesia, Water lily, Indian pipe
--

Plants with chlorophyll	Plants without chlorophyll

III Write true or false. If false write the correct statement. (6)

Skill :Describe adaptations in insectivorous plants A01

- a. Insectivorous plants can make their own food and they do not need insects for their nutrition. ()

- b. Insectivorous plants usually grow in nutrient-rich soil. ()

- c. The Venus flytrap has modified leaves that entangle and trap the insects. ()

- d. Both the pitcher plant and the Venus flytrap have structures to trap and get nutrients from insects. ()

IV Read the text and choose if the sentences are True or False.

(4x1=4)

Skill :Infer leaves contain starch A03

Reena plucked 2 leaves from different plants. One leaf was small and the other leaf was big. She tested both the leaves with Iodine. She observed that the small leaf turned blue-black, while the big leaf did not change colour.

- a. The small leaf contains starch. ()
- b. Photosynthesis was taking place in both leaves. ()

- c. The big leaf has chlorophyll in it. ()
- d. The small leaf can make its own food. ()

V Arrange the steps of transpiration in the correct order.

Skill :Identify the process of transpiration(4x1=4) A02

- a. Veins carry water from the stem to the leaves. ()
- b. Water evaporates from the leaves. ()
- c. Roots absorb water from the soil. ()
- d. Water is drawn up through the stem to the leaves. ()

VI Look at the pictures of the two types of plants. Write whether they are wild plants or cultivated plants. (2X1=2)

Skill :Sort wild plants and cultivated plants A02



- a.-----
- b.-----

VII Write (V) for vertebrates and (I) for invertebrates for the following (6x1/2 =3) A02

Skill :Sort vertebrates and invertebrates

- a. Ant ()
- b. Tiger ()
- c. Hen ()
- d. Frog ()
- e. Worm ()
- f. Crocodile()

VIII Sort the animals as land animals, aerial animals and arboreal animals *Abz* **(6x1/2 =3)**

Skill : Sorting

Parrot, cat crow squirrel elephant monkey

Land animals	Aerial animals	Arboreal animals

IX Read the instruction and complete (9)

Skill :Identification *Ao*

- A. Choose the non-flowering plants
 - a. Rose
 - b. Sunflower
 - c. Fern
 - d. Moss
 - e. Daisy

- B. Select the features that are common in vertebrates
 - a. Wings
 - b. Backbone
 - c. Body covering
 - d. Hard exoskeleton
 - e. Hard internal skeleton

- C. Choose ALL the sentences that are CORRECT
 - a. Lions hunt other animals for food.
 - b. A deer runs very fast to protect itself when it sees a tiger.
 - c. An animal that hunts is called the prey.
 - d. Animals do not have special body parts for protection.

- D. Scientists have found 5 new living things. Select all the things that scientists will keep in mind.
 - a. Names of living things.
 - b. Differences in the living things.
 - c. Similarities in the living things.

X Look at the pictures and write the habitats (2x1=2)

Skill : Identification A o l

A



B



XI Match the following (4) A o l

Skill : Identifying and relating



Plants are watered regularly()



Seeds are sown in the soil.()





Fertilizers are used for plant growth()



Crops are harvested once they are fully grown()

XII Answer the following(13) *A02*

Animal	How does the animal protect itself from predators?
	
	

2. The police use dogs to help them find bombs and other things. Which super sense of dogs is used by the police? *A01*

3. Vidya has a kitchen garden. She wants to grow pea plants in her garden. Can she grow the pea plants in any season? Why? Answer in 1 or 2 sentences. *A02*

4.



Animal A



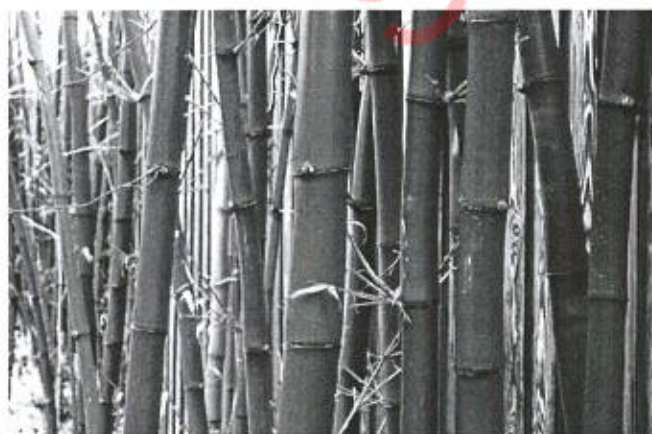
Animal B

A02

- a. What is the difference in the shape of the teeth of animal A and animal B?

- b. Write one food that will most likely be eaten by each of the animals, A and B.

5. Write 1 way in which these plants can be used by people. A01



Bamboo tree



Rubber tree

XIII Draw a food chain with a caterpillar, lizard, leaves and a snake. (4X1=4)

Skill : Drawing *A02*

SAMPLE