

# AMRITA VIDYALAYAM

## HALF YEARLY EXAMINATION 2017 - '18

Std : IV

Marks : 50

Time : 2 hrs

### SCIENCE

#### KNOWLEDGE

**I. Fill in the blanks with suitable words. 5**

1. The openings on the underside of a leaf is called \_\_\_\_\_.
2. Roots of mangrove plants are called \_\_\_\_\_.
3. Young one of an insect resembling the adult is called \_\_\_\_\_.
4. Polar bears live in \_\_\_\_\_ areas.
5. The process of producing young ones is called \_\_\_\_\_.

**II. Name the following. 6**

1. The only mammal that can fly.
2. Shedding of old skin or shell.
3. Two arboreal animals.
4. Breathing organ of fish.
5. Any two non-green plants.
6. Any one plant that eat insect.

**III. Choose the correct answer. 4**

1. The process of preparing food by plants \_\_\_\_\_.  
(photosynthesis, chlorophyll)
2. Paper was first made from \_\_\_\_\_. (papyrus, bamboo)
3. Within the albumen is the round, yellow \_\_\_\_\_.  
(yolk, embryo)
4. The natural home of an animal is called its \_\_\_\_\_.  
(habitat, adaptation)

#### UNDERSTANDING

**IV. State whether true or false. 4**

1. Energy flows from plants to animals.
2. A lotus plant has needle like leaves.
3. Mosquitoes and leeches are omnivores.

4. The larva of a housefly is called a maggot. 6
- V. Match the following.**
- |               |             |
|---------------|-------------|
| 1. camouflage | storage     |
| 2. mango      | tadpole     |
| 3. pine       | adaptation  |
| 4. frog       | midrib      |
| 5. leaf       | plain areas |
| 6. starch     | hilly areas |

- VI. Give reasons.** 2
1. Instead of leaves, desert plants have spines.

- VII. Answer in one sentence.** 3
1. Why do we preserve food?  
 2. Why non-green plants cannot prepare their food?  
 3. Why do most herbivores have long and strong legs?

- VIII. Answer the following in two or three sentences.** 10
1. How do plants living in marshy areas breathe?  
 2. How stomata helps the plant?  
 3. How does Venus fly trap eat insects?  
 4. Animals reproduce through different ways. Explain.  
 5. Why do aerial animals have light bodies?

**SCIENTIFIC SKILL**

- VIII. Draw and label the life cycle of a butterfly.** 4

- IX. Classify the following plants and animals according to their habitat.** 6
- hydrilla, prawn, frog, salamander, tape grass, crab

Aquatic animal	Underwater plant	Amphibian