

N.H.A U.P SCHOOL KANJIRAPPALLY

BASIC SCIENCE- UNIT TEST

THE CHAIN OF LIFE



Name of the student.....

Class: **5** Div..... Roll no:..... Date: / /2024

Total mark =30

Part I

1. What is the most common gas found in Earth's atmosphere?
(1)
2. Neethu visited an orchid nursery. She saw some plants grown hanging in wooden planks tied with coconut husk and charcoal without soil.
To which group do these plants belong?
(Epiphytes, Parasites, Saprophyte)
(1)
3. What is the breathing part of a plant?
(1)
4. What is plankton, and what role does it play in aquatic ecosystems?
(1)
5. What is habitat and give examples.
(2)

Part II

(3X2)

1. In an ecosystem that includes tigers, how would it affect the ecosystem if the tigers were destroyed? Explain
2. The panchayat decides to add young African catfish into the river to increase the fish stock. How do you react to this decision?

Part III

(4X2=8)

1. Match the following

Green	Carotene
Orange	Xanthophyll
Yellow	Anthocyanin
Red	Chlorophyll

2. Group the following statements into those related to photosynthesis and those related to respiration.

- Happens only during daytime
- Happens during the day and night
- Receives carbon dioxide
- Carbon dioxide is released
- Receives oxygen
- Releases oxygen
- Glucose is produced
- Stomata are used for gas exchange

Part IV

(5x2=10)

1.

A. Create a food chain starting with the grass and ending with the lion as shown below.

➤ Grass → Deer → Lion

➤ Grass → Rabbit → Fox → Lion

B. Combine the above two food chains with the one you made to make a food web.

C. Create a five-linked food chain ending in a snake

D. What are the common features of the first link of all food webs?

2. Differentiate between **epiphytes**, **semi-parasites**, and **total parasites** in terms of their ecological relationships and provide examples of each.