

**Std: 8 A, B, C**      **Greenlawns High School**      **Date:** 24/09/2012

**Marks: 40**      **Biology Terminal Paper**      **Time:** 8.30 am

Please note: 1. All answer must be written on composition sheets.

2. On each side of the composition sheet mention your name , rollno, std and div

3. The answer sheets must be converted into a clear pdf and must be uploaded on

microsoft teams by STD 8A and 8B ,std 8C submit on whatsapp.

4. Rename your pdf as your 'Roll no name subject T1'

(Example: 20 Shailesh Kumar Biology T1)

**Q1.Fill in the blanks:**

**(5)**

- 1.Movement of molecules from their lower concentration to their higher concentration is called \_\_\_\_\_.
- 2.The network of food chain is called a \_\_\_\_\_ .
- 3.The deficiency of \_\_\_\_\_ hormone in childhood leads to dwarfism.
- 4.\_\_\_\_\_ can be defined as the beating of the heart, faster than usual.
- 5.Tiger and lion are \_\_\_\_\_ consumers.

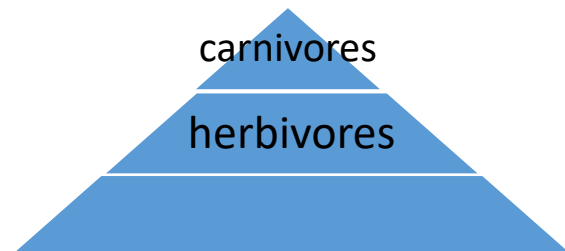
**Q2. Which of the following statements are True or False. For the false statement only correct the first or the last word:**

**(5)**

- 1.Producers help in keeping the environment clean.
- 2.The backward flow of the blood in the heart is prevented due to the presence of pacemakers.
- 3.The lateral root bears a large number of fine outgrowths called main root.
- 4.Pancreas gland is called the master gland.
- 5.Phoem transport the food in all direction.

**Q3 A).Diagram based question.**

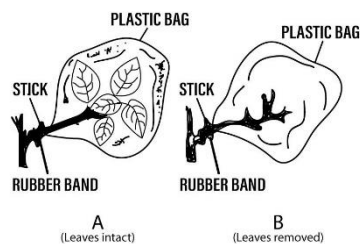
**(5)**



- 1.What is the given figure called ?
- 2.Which section of organism is represented at the base level?
- 3.Give two examples of Detritivores?
- 4.Define Tropic levels?
- 5.Write two examples of biotic components?

**B).The diagram given below represents a demonstration done on plants. Observe it carefully and answer the questions that follow:**

**(5)**

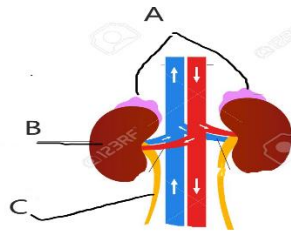


- 1.Define the process which is been demonstrated?
- 2.what will happen to plant A and plant B when kept in sunlight?

3. Why were the plant kept in sunlight?
4. what can you conclude from the experiment?

**Q4. Label the diagram properly**

**(5)**



- a). Name the two hormone secreted by A?

**Q5. Complete the series.**

**(5)**

1. Pituitary gland: growth hormone :: Thyroid gland: \_\_\_\_\_.
2. Plants: Producers :: micro-organism: \_\_\_\_\_.
3. Male sex hormone: Androgens: Female sex hormone: \_\_\_\_\_.
4. Heart attack: blood flow to heart is interrupted: Cardiac arrest: \_\_\_\_\_.
5. insufficient thyroxine produced in adults: Myxoedema: insufficient thyroxine produced in infant: \_\_\_\_\_.

**Q6.A). Differentiate between the following in TABULAR FORM .(1 point each)**

**(4)**

1. Phosphorus and Potassium (role in the plant).
2. Endocrine gland and Exocrine gland. (secretion produced).
3. Pulmonary artery and Pulmonary vein (direction of blood flow in relation to heart).
4. Pancreas gland and Pituitary gland (location).

**B). Answer the following :**

**(6)**

1. Describe 3 ways in which root hair help in the process of absorption of water ?
2. What do you mean by universal recipient and universal donor ?
3. Name the blood group which is known as universal recipient and name the blood group which is known as universal donor?