



ST.LAWRENCE HIGH SCHOOL
1st TERM EXAMINATION-2019
CLASS-V



Beline Jermy
23/1/19

(BELINE JERMY
PETER)

SUBJECT: GENERALSCIENCE
DURATION: 2HRS 30MINS

F.M: 90
DATE: 17.4.2019

Section-A

(25marks)

A. choose the correct option:

(1x5=5)

1. _____ is the smallest unit of a substance that has all the properties of that substance.
(c) molecule
2. Malaria is caused by a _____ which is carried by the female Anopheles mosquito.
(a) plasmodium
3. A chemical released during an allergic reaction as a immune response from the human body is called _____.
(c) histamine
4. The chemicals used for destroying harmful insects are called _____.
(b) insecticides
5. _____ can happen when you throw water on fire caused by defective wiring.
(b) Electrocutation

B. State whether the following statement is true or false:

(1x5=5)

1. Male mosquito sucks human blood which helps it to lay eggs. **False**
2. Potassium permanganate is soluble in water. **True**
3. Sprain causes swelling and sometimes discolouration of the skin. **True**
4. New plants can grow from the leaves of the bryophyllum . **True**
5. Vaporisation of water is a chemical change. **False**

C. Fill in the blanks:

(1x5=5)

1. Crops grown from November to April are called **rabi** crops.
2. Dengue is transmitted to a person by the bite of an **Aedes** mosquito.
3. When the skin is cut by a dirty or rusted object , germs may enter and cause a dangerous disease called **tetanus**.
4. Cutting of paper is a **physical** change.
5. The gas that bubbles out of an aerated drink is carbon **dioxide**.

D. Name the following:

(1x5=5)

1. Which part of a plant would you plant to grow a new sweet potato plant?
Underground root
2. An abnormal condition in which the body is not able to function properly.
Disease
3. The first medical help given to an injured person before a doctor arrives.
First Aid
4. A crack or a break in a bone.
Fracture
5. Building blocks of matter.
Atom

E. Match the columns:**(1x5=5)**

| Column A | Column B |
|---------------------------|------------------------------|
| 1. Atoms of same kind | Elements |
| 2. Contaminate | Infect or make impure |
| 3. Nail polish | poison |
| 4. Oil in water | Immiscible water |
| 5. Seed dispersed by wind | Cotton seed |

Section-B**(25 marks)****F. Answer the following questions:****(2x5=10)**

- What is agriculture?(2)
Plants that need to be grown on a large scale to feed the entire population of a country. The practice of growing plants on a large scale is called agriculture.
- What is a communicable disease? Give one example.(1+1)
A disease that spreads from one person to another. Examples: common cold, fever, polio,etc.,
- What is a sling?(2)
Sling is a bandage passing over the shoulder to support an injured upper limb.
- Some medicines are poisonous. Why? (2)
We should not consume the medicines that have crossed their expiry dates, because they would become poisonous due to some chemical reaction.
- Write 2 differences between liquids and gases.(2)

| LIQUIDS | GASES |
|--|---|
| <ul style="list-style-type: none"> Liquids do not have fixed shape but fixed volume | <ul style="list-style-type: none"> Gases neither have fixed shape nor fixed volume |
| <ul style="list-style-type: none"> Intermolecular space is less | <ul style="list-style-type: none"> Intermolecular space is least |

G. Answer the following questions:(attempt any5 out of 7)**(3x5=15)**

- What are the three conditions necessary for the germination? (3)
Sunlight or warmth, water or moisture, air or oxygen.
- What are the three types of blood cells?(3)
Red blood cells, white blood cells and platelets.
- Give three characteristics of a chemical change. (3)
 - Chemical changes are permanent**
 - It cannot be reversed**
 - It results in the formation of new substances**
- What first aid should be given in case of an animal bite? (3)
 - Wash the wound with soap and water to remove germs.**
 - Apply an antiseptic lotion to prevent infection.**
 - Bandage the wound with the sterile gauze and rush the victim to a doctor.**

5. How are plants useful to us? (any 3 points). (3)
Plants are useful to us in many ways such as they provide food, wood, rubber, gum, fibre and life-giving oxygen.
6. Mention any three conditions required to keep our body healthy. (3)
Balanced diet, enough rest, regular exercise and protection from diseases.
7. What is Haemoglobin?(3)
Haemoglobin is a protein in red blood cells that carries oxygen from the lungs to the tissues.

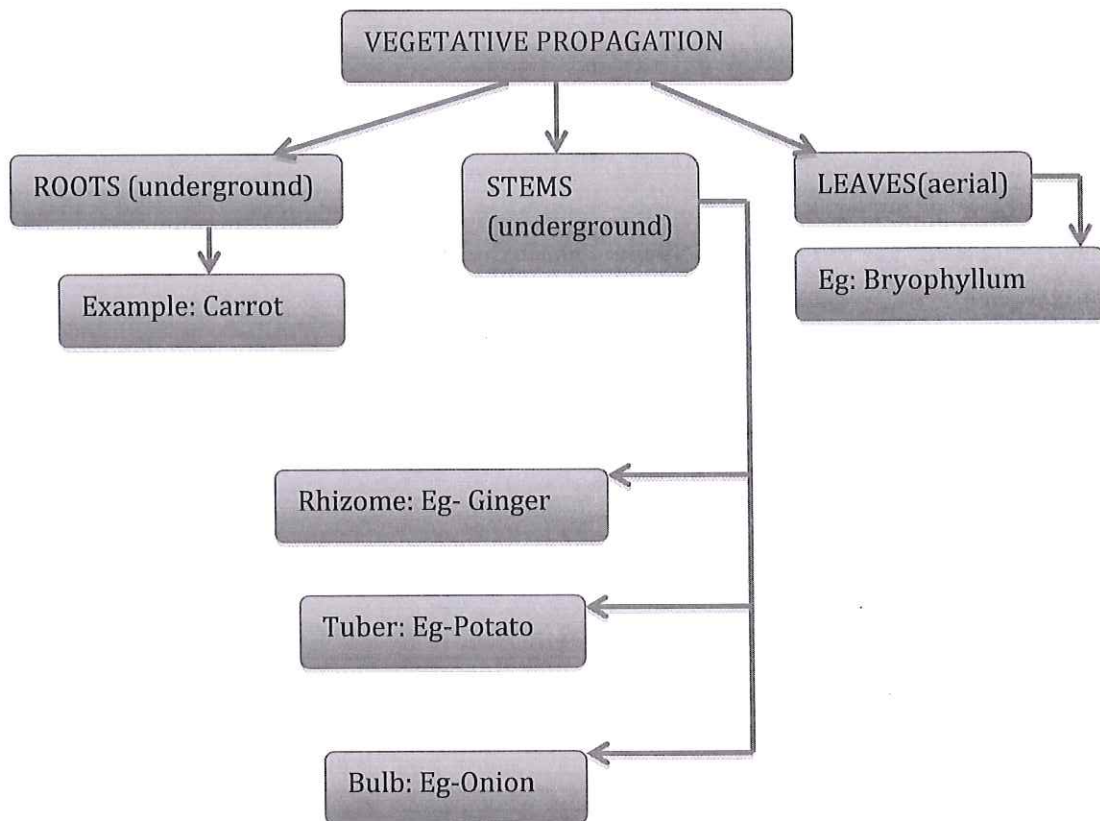
Section-C

(40 marks)

H. Long answer type questions: (attempt any 8 out of 10)

(5x8=40)

1. Draw a flowchart of vegetative propagation.(5)



2. Name any 5 non-communicable diseases and their causes. (5)
- **Night blindness. It is caused by the deficiency of vitamin A.**
 - **Beriberi. It is caused by the deficiency of vitamin B1.**
 - **Scurvy. It is caused by the deficiency of vitamin C.**
 - **Rickets. It is caused by the deficiency of vitamin D.**
 - **Goitre. It is caused by the deficiency of Iodine.**
3. (a) We must not prick blisters. Why?(2)
Sometimes the skin gets severely burnt and blisters are formed. When we prick the blister it becomes an open wound. Open wound can catch infection. So , we must not prick the blisters.
- (b) What first aid should be given in case of a minor burns?(3)
- **Let running cold water flow over on the burn until the pain subsides.**
 - **Apply an antiseptic lotion or cream to prevent infection**

- **If an antiseptic lotion is not available apply a paste of baking soda and water.**
4. Give three characteristics features of a physical change? Give two examples.(3+2)
- **Physical changes are only in the state of matter.**
 - **Physical changes are temporary.**
 - **It can be easily reversed.**
- Examples : melting of butter, evaporation of water**
5. Why must seeds be dispersed? What are the different agents of dispersal? (3+2)
If all baby plants grow near the parent plant, not all would survive. They would not get enough sunlight, food, water and space to grow. Hence, some agents in nature carry the seeds or fruits away from their parent plant. Agents of dispersal – wind, water, animals and the explosion of fruits.
6. Name the 5 types of nutrients present in food. (5)
Carbohydrates, proteins, fats, vitamins and minerals.
7. How would you help someone with a bleeding nose? (5)
- **Keep the patient upright in a comfortable position with his head held back.**
 - **Press the bleeding side of the nose firmly.**
 - **Keep an ice-pack or wet cloth on the nose and the head of the patient.**
 - **Ask the patient to breathe through his mouth and not to blow his nose.**
 - **A little bit of bleeding from the nose is harmless but if the bleeding is heavy, send for the doctor.**
8. Explain how the process of vaccination helps in inducing the function of an immune system?(5)
Vaccines are like a training course for the immune system. They prepare the body to fight disease without exposing it to disease symptoms. When foreign invaders such as bacteria or viruses enter the body, immune cells called lymphocytes respond by producing antibodies, which are protein molecules. These antibodies fight the invader known as an antigen and protect against further infection.
9. Mention any 5 characteristics of a solid. (5)
In solids, the molecules are very close to each other. They attract each other with great force. So, a solid is hard, rigid and has a definite shape and volume.
10. (a) Name one miscible liquid.(1)
Oil, petrol, kerosene, etc,...
- (b) What is the full form of HIV and AIDS?(4)
HIV-Human Immuno Deficiency Virus
AIDS- Acquired Immuno Deficiency Syndrome
