

ST. JOHN'S PUBLIC SCHOOL, NAGPUR
SECOND TERM EXAMINATION (2019-20)

Name: _____

Subject: Science

Roll No.: _____

Date: _____

Session: 1

Max. Mks: 50

Class: VI Time: 3Hr

No. of Ques:05

SECTION A-(15 Mks)

Q.1 Fill in the blanks with appropriate words: (1×5=5)

- i. The innermost part of the flower is called the pistil.
- ii. The process of removing seed from cotton is called ginning.
- iii. The method of preparing compost with the help of redworms is called vermicomposting.
- iv. The layer of air around the earth is known as atmosphere.
- v. An electric cell has two terminals.

Q.2 State whether 'true' or 'false': (1×5=5)

- i. Electric current can flow through metals - True
- ii. Polyester is a natural fibre - False
- iii. The surrounding where plants and animals live is called their habitat. True
- iv. A mixture of milk and water can be separated by filtration. False
- v. Atmosphere is essential for life on earth. True

Q.3 Answer in one word each :- (1×5=5)

- i. Materials which allows electric current to pass through them. Conductors
- ii. The process of getting rid of wastes by organisms. excretion
- iii. The process in which water comes out of leaves in the form of vapour. Transpiration
- iv. Method in which heavier substances can settle down and liquid can be separated from it. Sedimentation
- v. Name any item made from coconut fibre. Ropes and mats.

SECTION B-(15 Mks)

Q.4 Answer the following questions: (Any 5) (3×5=15)

i. Define the following:

- a. **Habitat:** The place where organisms live and which provide food and safety for them is 'called **habitat**.
- b. **Magnets:** An object which attracts **magnetic** materials; like iron, cobalt and nickel; is called **magnet**.
- c. **Stimuli :** The changes in the environment (external or internal) to which the organism respond and react are called **stimuli**.

ii. Explain the process of making yarn from fibres.

Ans. The process of making yarn from fibres is called spinning. Fibres from mass of cotton wool are drawn out and twisted. This brings the fibres together to form yarn.

iii. **How are Cactus adapted to survive in a desert?**

Ans: Sand and water are separated from their mixture by following steps:

- The mixture is allowed to stand without any disturbances
- Now sand settles down
- Slowly pour the water into another container to obtain sand in the bottom

b. **Why should an electrician use a rubber gloves while repairing an electric switch at your home. Explain.**

Ans : Our body is good conductor of electricity and rubber is insulator. During repairing work if the body comes in contact with current carrying wire then there will not be any accident as rubber does not allow the passage of current through it. Hence electrician uses rubber gloves while repairing an electric switch.

v. **List the common characteristics of living things?**

Ans: The common characteristics of the living things

- All organisms show movement of one kind or another.
- Animals can move from one place to another. While plants also show movement e.g. bend towards light.
- All organisms breathe and respire.
- All living beings grow.
- They remove waste material their bodies. All living beings react to external changes around them.

vi. **What can we do to reduce overuse of plastic?**

Ans: We can implement the following ways to reduce overuse of plastics:

- Bring own shopping bags.
- Stop buying bottled water.
- Insist shopkeepers to use paper bags or jute bags to carry goods purchased.
- Buy laundry detergent and dish soap in boxes instead of **plastic** bottles.

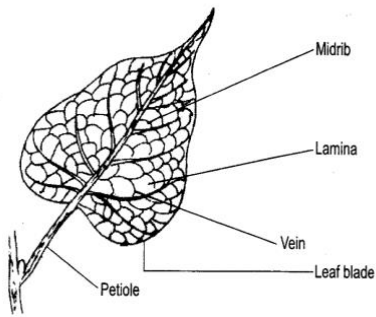
viii. **Write main properties of magnet**

Ans. Two properties of a magnet are :

- 1) Each magnet has two magnetic poles - North and South.
- 2) A freely suspended magnet always aligns in North-South direction.

viii. Draw a well-labelled diagram of 'A Leaf'.

(a) Leaf:



SECTION C-(20 Mks)

Q.5 Answer the following question in long: (Any 4) (5×4=20)

- i. How is compass used to find directions?

A compass consists of a magnetic needle with a dial marked with directions. The needle of the compass always comes to rest along the North-South direction. The compass is then rotated until painted end (North pole) of the needle is towards N (North) mark on the dial and the other end of needle is towards S (South) mark on the dial. We can now find any direction by looking at the dial of the compass.



- ii. Explain the process of knitting. **OR** Explain the process of evaporation.

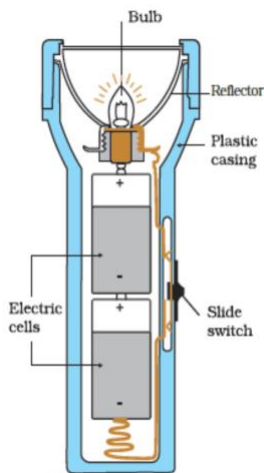
Ans. The **process** in which a single **yarn** is used to make a piece of fabric is called **knitting**

OR

The process of conversion of water into vapors is called evaporation.

ii. Draw a well-labeled diagram of 'Inside view of a torch'.

i.



iii. Do you think it is better to use compost instead of chemical fertilizers? Why?

Ans: Yes, it is better to use compost instead of chemical fertilizers for the following reasons:

- It is easy to prepare compost
- Compost is environment friendly as it does not cause any health issues in humans and animals
- Compost will not cause pollution
- Compost increases soil fertility.
- Compost is biodegradable

iv. Is it possible to reduce the problems relating to disposal of garbage?

Ans: Yes it is possible to reduce the problems relating to disposal of garbage to a large extent. We should use those materials which are recyclable and avoid or reduce the use of non-biodegradable materials. While throwing out garbage in trash can, we should separate biodegradable waste from non-biodegradable and throw them in separate bins.

v. How will you separate sand and water from their mixture?

Ans: Sand and water are separated from their mixture by following steps:

- The mixture is allowed to stand without any disturbances
- Now sand settles down
- Slowly pour the water into another container to obtain sand in the bottom