GREENLAWNS SCHOOL, WORLI

FINAL EXAMINATION-2020

SCIENCE

STD: VI TIME: 2hr

Date: 13/02/2020 MARKS: 80

Attempt all questions.

QI A. Fill in the blanks: [5]

1. Pure substances are made up of only one kind of \_\_\_\_\_\_\_\_\_\_.
2. SI unit of pressure is \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. \_\_\_\_\_\_\_\_\_\_\_\_ was found in Magnesia and is a natural magnet.
4. \_\_\_\_\_\_\_\_\_ is the transfer of pollen grains from the stamen to the stigma of a flower.
5. Cuts and bruises can cause \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

QIB State whether the following statements are true or false. Correct the false statements: [5]

1. The heavy solid particles that get deposited at the bottom of the container is called filtrate.
2. Fruits and vegetables decompose and produce good quality manure.
3. Grape plants have modified leaves called spines to help them to seek support.
4. Wear and tear of the shoe sole is caused by friction.
5. Soda water and water molecular formulae is H2CO3.

QIC Choose the correct answer and rewrite the statement: [3]

1. Which of the following term is a synonymous with ‘push and pull’?
2. Speed iii Mass
3. Force iv Pressure

1. Which of the following is used to find direction?

i Iron nail iii Magnetic compass

ii Magnetic Keeper iv Both (ii) and (iii)

1. \_\_\_\_\_\_\_\_\_\_ is a diatomic element.

I Boron iii Ozone

ii Phosphorus iv Oxygen

1. Which of these is a simple leaf?

I Date iii Apple

ii Gram iv None of them

1. Which of these contain fats?
2. Potato iii Sugar

ii Butter iv Bread

1. A centrifuge machine may be operated \_\_\_\_\_\_\_\_\_\_\_.

I Manually iii Naturally

ii Electrically iv Both (i) and (ii)

QID Find the odd one out. Give a reason to support your answer: [4]

1. Scurvy; Night blindness; Conjunctivitis; Rickets
2. Tap root; Primary root; Stilt root; Prop root
3. Shaving blade; cobalt; steel knife; Books
4. Grooves; Spikes; Dots; Rubber grip

QIE Name the following: [6]

1. The Latin name for silver.
2. Any one use of a magnet to store sound
3. A lubricating agent to reduce friction
4. The point on a stem where a single leaf arises.
5. Any one pollutant given out by automobiles
6. The technique used in salt pans to obtain salt.

QIF Give the symbols for the following element: [1]

1. Potassium \_\_\_\_\_\_\_\_\_\_\_
2. Magnesium \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QIG Give the common name for the following compounds: [2]

1. Sodium Carbonate \_\_\_\_\_\_\_\_\_\_\_\_\_
2. Acetic acid \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QII Define the following terms: [6]

1. Magnetic field d. Communicable disease
2. Pressure e. Winnowing
3. Compound f. Phyllotaxy

QIII Distinguish between the following; [Any two points] [10]

1. Calyx and Corolla
2. Vector disease and Contagious diseases
3. Muscular force and electrostatic force
4. Sedimentation and Decantation
5. Directive property and Attractive property

QIV Answer the following questions:

1. What are magnetic keepers? How are they used? [2]
2. Give any two advantages of distillation. [2]
3. How does friction have an effect in our daily life? (state any two ways) [2]
4. How would you treat a burn injury? [2]
5. Mention any two functions of a flower. [2]

QV Give scientific reasons for the following:

1. The iron nail behaves as a temporary magnet [2]
2. A mixture retains its properties of its constituent elements. [2]
3. Though it is difficult to push a heavy box the task becomes easier when wheels are attached. [2]
4. Water is an example of a compound. [2]

QVI A Observe the diagram carefully and answer the questions that follow:



 a. Name the two systems of the plant. [1]

1. Label parts (a), (b) and (c)and explain them. [3]
2. What is part (e)? State any one function of it. [1]
3. List any two characteristics of part (d). [2]

B With reference to the given diagram answer the questions that follow:



 a. Label the marked parts ‘a’ to ‘e’. [2 ½ ]

 b. State the function of ‘b’. [1]

 c. How does ‘c’ help? [ ½ ]

 d Give one example of a similar method used in our homes.. [1]

C Solve the following:

 a. Calculate the pressure exerted by a force of 300N acting on an area of 30 cm2. [1½]

 b. What is the pressure exerted by a box if it exerts 480 kgf and has a base dimension 1m X 1.5m. [Assume 1kgf = 10 N] [2 ½]

D Draw a neat labelled diagram to show magnetism by double touch method. [2]

E Draw a neat labelled diagram of a First Aid box and show any four components that it contains. [2]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*