

GREENLAWNS HIGH SCHOOL
FINAL EXAMINATION YEAR 2018

SUBJECT : SCIENCE
TIME : 1 ½ HRS

CLASS : VII
MARKS : 80

The first ten minutes are meant for reading the question paper. All questions are compulsory. All answers to be written on the answer booklet given to you.

Q.I. Fill in the blanks:- [10]

- _____ is a condition that is caused when our body develops hypersensitivity to specific substances.
- The _____ is a short muscular tube that releases urine out of the body.
- _____ is used in making ballistic missiles and rocket nozzles.
- _____ is a rapid, chemical change in which heat and light are produced.
- Sphincter regulates the flow of _____.
- The symbol for Sodium is _____.
- The _____ uses sound waves and has a transmitter and a detector to send and receive sound waves.
- Coal is used to generate _____.
- A fixed temperature at which a liquid changes into solid state is called its _____ point.
- _____ is a common allergic reaction that is often hereditary.

Q.II. Name the following:- [10]

- The metalloid used in making semiconductors of transistors.
- The cylindrical structure present inside the vertebral column.
- The process of formation of a reddish brown layer on iron.
- Another term for pollen allergies.
- The metal which exists in a liquid state at room temperature.
- Another term for bad conductors of heat.
- Reflected sounds that we can hear.
- Life threatening reaction caused by severe allergic reactions.
- Positively charged sub-atomic particles.
- Process by which iron objects are coated with zinc for protection.

Q.III. Match the following:- [eg. 6 -f] [5]

Column A
Substance

- Hydrogen
- Chlorine
- Argon
- Nitrogen
- Diamond

Column B
Uses

- Cutting glass
- Packaging of food
- Making Vanaspati ghee
- Welding
- Extraction of gold

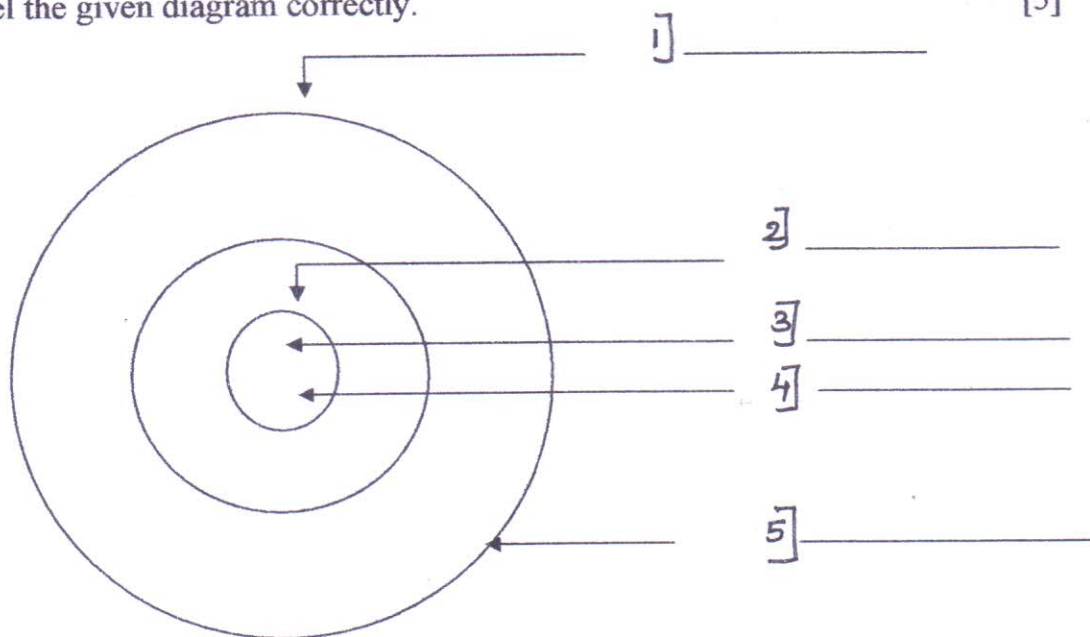
Q.IV. Write the symbols for the given elements. [5]

1. Calcium
2. Magnesium
3. Chlorine
4. Copper
5. Helium

Q.V. State whether the following statements are true or false. If false correct the underlined word only and rewrite the word. [5]

1. Drinking sufficient water is advisable when suffering from Urinary Tract Infection.
2. Any vibrating body is a source of sound.
3. Allergic reactions in the respiratory passage can result in the accumulation of red blood cells and mucus.
4. There is a no net transfer of heat energy at thermal equilibrium.
5. Kidney stones are hard mineral deposits that form inside the kidneys during filtration of urine.

Q.VI. Label the given diagram correctly. [5]



Q.VII. Solve the given numericals. [5]

1. Convert 25°C to $^{\circ}\text{F}$.
2. Convert 200°C to K
3. SONAR transmits ultrasonic sound towards the bottom of the sea. The time interval recorded to receive the reflected sound is 1.8 s. If the speed of ultrasonic sound in water is 1500 m/s. find the distance travelled by the sound.

Q.VIII. Distinguish between: [5]

1. Boiling and Evaporation. (speed of the process)
2. Metals and Non-metals (Ductility)

3. Ureters and Urinary bladder (Function)
4. Conduction and convection (occurrence)
5. Seasonal allergies and Perennial allergies. (Period of time)

Q.IX. Define:

[5]

1. Temperature
2. Excretion
3. Metalloid
4. Allergens
5. Thermal expansion

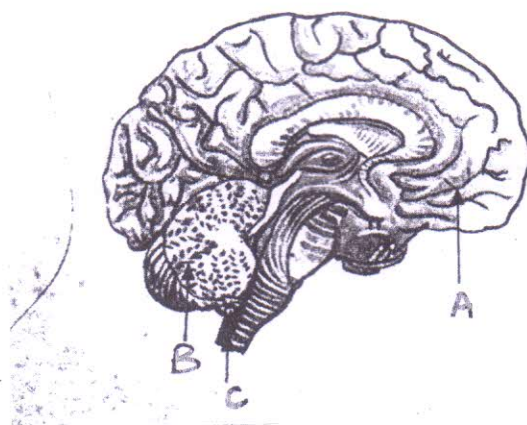
Q.X. Give scientific reasons.

[5]

1. Wood and plastics are used for making handles of cookware.
2. Waste products have to be periodically removed from our body.
3. Copper is used in making the circuits of electronic gadgets such as computers.

Q.XI. Observe the given diagram and answer the questions that follow:

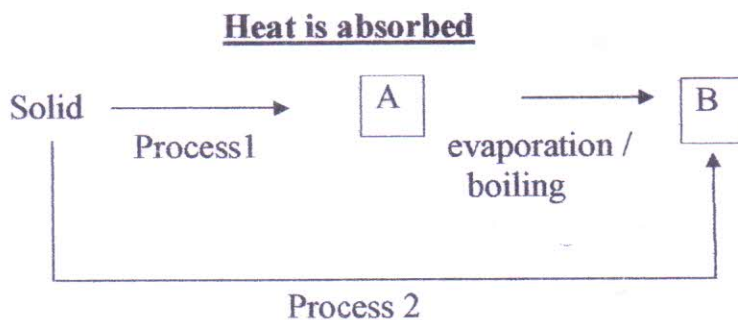
[10]



1. Identify the structure. (1)
2. Label parts A,B,C. (3)
3. Where is part A located in the structure. (1)
4. Write two functions of part B. (2)
5. Which part is responsible for controlling involuntary actions such as breathing? (1)
6. Give two functions of part A. (2)

Q.XII. Observe the flowchart and answer the following questions:

[5]

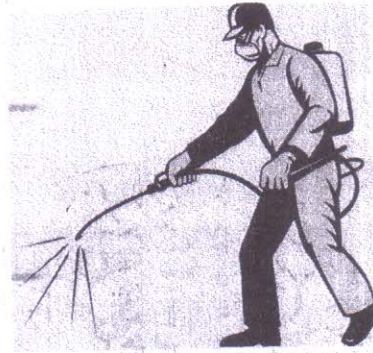


- 1) Label A and B. (2)
- 2) Label processes 1 and 2 (2)
- 3) Define process 2. (1)

Q.XII. Observe the pictures carefully and fill in the blanks:-

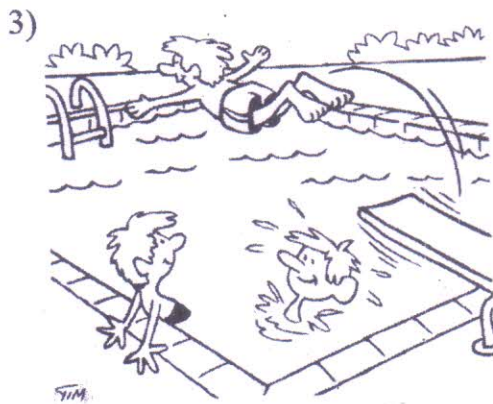
[5]

1. 2)



_____ is used in bulbs

_____ is used in the manufacture of insecticides.



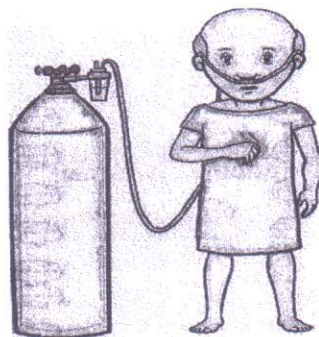
4)



_____ is used to disinfect swimming pools.

_____ is used in rockets as fuel.

5)



_____ is filled in cylinders used in hospitals to help sick patients.