

GREEN LAWNS HIGH SCHOOL

TERMINAL EXAMINATION 2019

SUBJECT: GENERAL SCIENCE

CLASS: VII

TIME: 1 ½ HOUR

MARKS: 80

Note:

- All answers to be written on the answer booklet provided to you.
- You will not be allowed to write during the first 10 minutes. Use this time to read the paper carefully.
- The time given at the head of this paper is the time allowed for writing the answers.
- The intended marks for a question are given in the brackets.
- Write concise, to the point answers using scientific terms.

Q.1 Fill in the blanks. (Write only answers) (10)

- 1) The type of respiration in which glucose is broken down in the presence of oxygen is called _____.
- 2) The process of expansion of a substance on heating is called _____.
- 3) The inter-particle space in liquids is _____ than that in solids.
- 4) Allergies which occur throughout the year are called _____ allergies.
- 5) In _____ change, heat energy is absorbed.
- 6) The ray of light that strikes on the reflecting surface is called _____ ray.
- 7) A _____ is the process of eating and being eaten.
- 8) Naphthalene balls disappear with time because they undergo process of _____.
- 9) We get heat from the sun by the process of _____.
- 10) _____ is a relationship between two individuals living together for mutual benefit.

**Q.2 State whether true or false. If false, correct the false statement. (10)
(Write true or false and correct word)**

- 1) Allergic reactions in the nose are known as Oral Allergy.
- 2) When red, blue and green colour combined with the correct intensity forms white colour.
- 3) Liquid is the state of matter which shows maximum compressibility.
- 4) Absolute zero or zero kelvin (0 K) is the minimum temperature that object can have.
- 5) The melting of wax is a reversible change.
- 6) Ray normal to the mirror reflects along the same path.
- 7) Sunlight can be the cause of allergies in people having sensitive skin.
- 8) Sugar is a compound.
- 9) The stomata remain open during the day and close at night.
- 10) Smaller the surface area, higher is the rate of evaporation.

Q.3 Name the following.

(10)

- 1) The substance which can catch fire.
- 2) The substance formed when two or more elements combine chemically in a fixed proportion.
- 3) An allergic condition caused due to pollen grains.
- 4) The image that is formed after actual intersection of reflected rays.
- 5) The process by which a substance changes from a liquid into a gas state at a temperature below the boiling point.
- 6) The pigment that traps the light energy of the sun.
- 7) Materials that do not conduct heat easily.
- 8) The foreign substance that trigger the allergic reaction.
- 9) The perpendicular line drawn on the surface of a mirror at the point of incidence.
- 10) Larger particle formed when atoms of elements are joined together.

Q.4 Pick the odd one out. Give reason for your answer.

(10)

- 1) Yellow, Magenta, Blue, Cyan.
- 2) Glass, Wood, Copper, Plastic,
- 3) Sun light, Carbon dioxide, Glucose, Chlorophyll, Water.
- 4) Hydrogen, Oxygen, Carbon dioxide, Nitrogen.
- 5) Rotting of fruits, Cooking of food, Ripening of fruits, Roasting a papad.

Q.5 Define the following.

(5)

- 1) Anaphylaxis.
- 2) Complementary colours.
- 3) Mass.
- 4) Ignition temperature.
- 5) Saprophytes.

Q.6 Differentiate between the following based on the point given in the brackets.

(5)

- 1) Melting and Sublimation (Change of state).
- 2) Conduction and Convection (Definition).
- 3) Photosynthesis and Respiration (Gas used).
- 4) Real image and Virtual image (Definition).
- 5) Solid and Gas (Inter-particle space).

Q.7 Give scientific reasons for the following.

(5)

- 1) Clothes dry faster in summer than in winter.
- 2) Clean snow does not melt rapidly.
- 3) Insectivorous plants are partially autotrophic and partially heterotrophic.
- 4) Curdling of milk is a chemical change.
- 5) Bridges are kept on rollers.

Q.8 Write the function of the following:

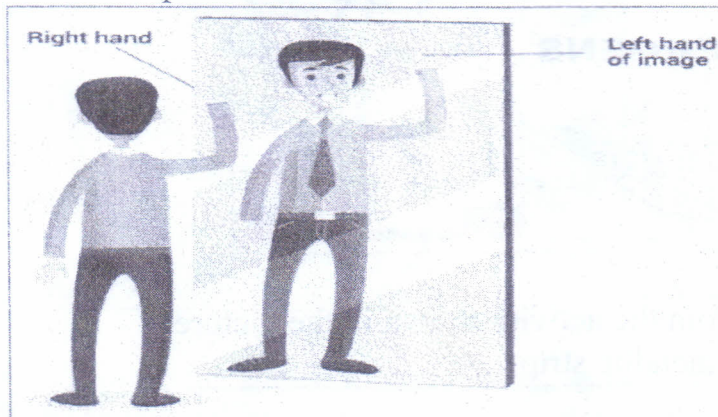
(5)

- 1) Xylem in plants.
- 2) Haustoria in dodder plant.
- 3) Root nodules in leguminous plants. (Two functions)
- 4) Vacuum in thermos flask.
- 5) Shiny silvered surface in thermos flask.

Q.9 Answer the following questions based on the given picture: (20)

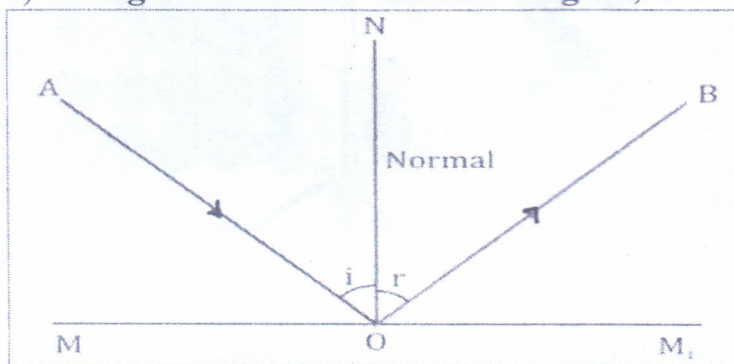
1) a) Name the characteristic of an image formed by a plane mirror shown in the following picture. (2)

b) How do the position of man and position of his image relate to each other with respect to distance from the mirror?



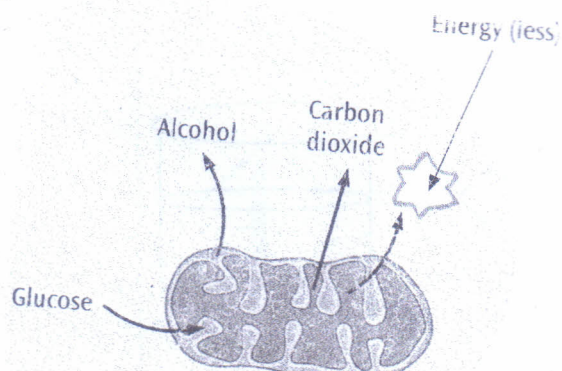
2) a) What is indicated by B in the following figure? (3)

b) If Angle i is 45° then calculate Angle r , Give reason for your answer.

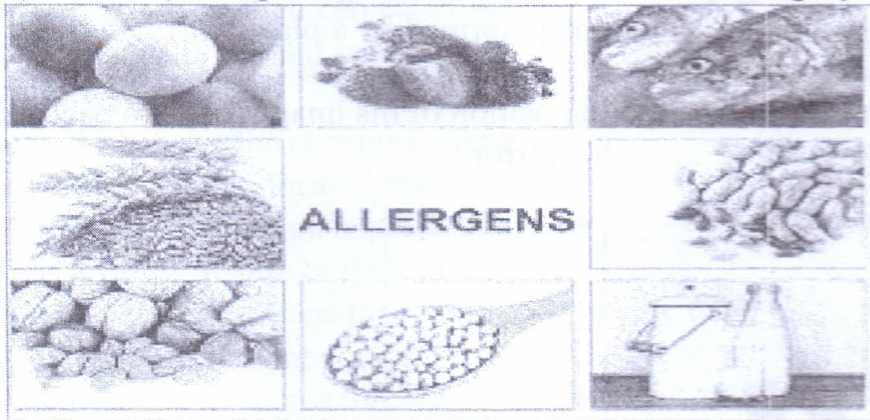


3) a) Identify the type of the respiration shown in the following picture. (2)

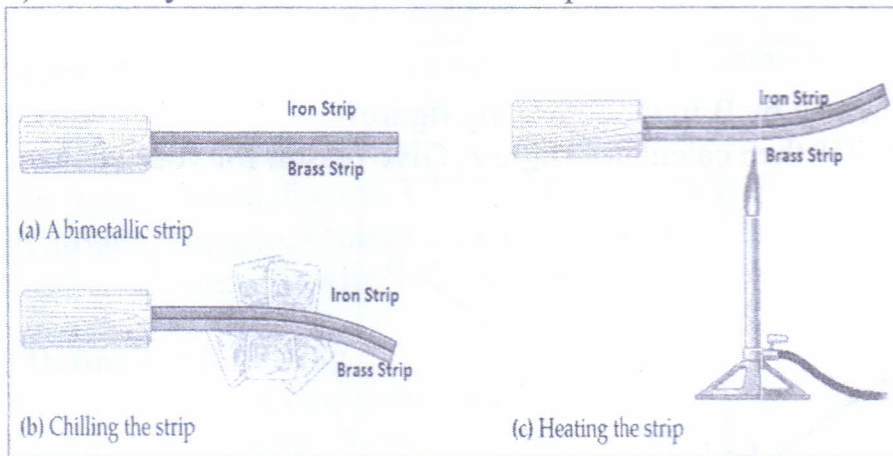
b) Name one micro-organism in which above type of respiration take place.



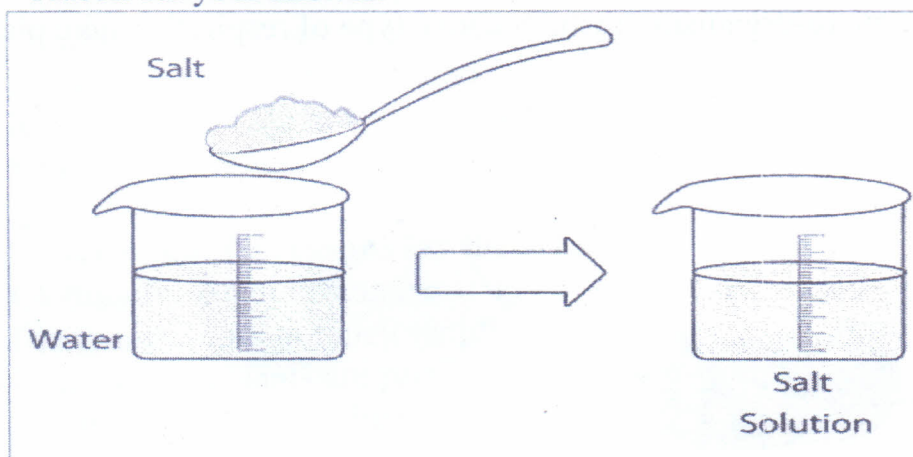
- 4) a) Identify the category of allergens shown in the following picture. (3)
 b) Write any two preventive measures for above category of allergens.



- 5) a) What do we conclude from the activity shown in the picture? (2)
 b) Write any one use of bimetallic strip.



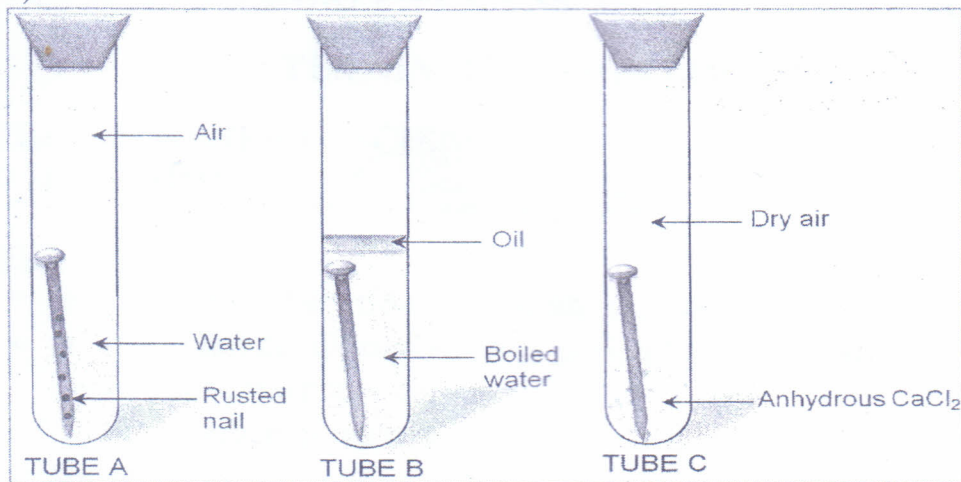
- 6) a) Name the physical change shown in the following picture. (3)
 b) State whether above mentioned change is reversible or irreversible. Give reason for your answer.



7) a) Why does iron nail in test tube A get rusted?

(2)

b) What is the chemical name of rust?



8) a) Name the states of matter labelled as A, B and C.

(3)

b) Differentiate between volume of state A, B and C.

