



**THE LAWRENCE SCHOOL
SANAWAR
Entrance Examination for Class V
SCIENCE**

Time: 01 Hour

Max. Marks: 100

Name (In Capital Letters) _____

Registration Number _____

Centre _____

<p>MARKS OBTAINED</p>

Note: Teacher on duty is requested to ensure that the child has written correct and complete Registration Number

GENERAL INSTRUCTIONS FOR THE CANDIDATE

- 1. All questions are compulsory*
- 2. Questions are to be answered on the question paper itself (on the space provided against each question)*

Name of the Teacher

Signature

Q1. Answer the following:

(2 × 20 = 40)

(a) What will happen if the earth suddenly loses its gravity?

(b) Why can't you fly a kite on moon??

(c) Why do wet clothes dry quickly on a dry sunny day?

(d) How are parasites different from scavengers?

(e) What do you mean by 'dry cleaning' of certain clothing materials?

(f) What is the role of roughage in our diet?

(g) How do the bacteria present in your mouth affect your teeth?

(h) Abhijit studies in class IV. His mother gives him two glasses of milk daily. Why do you think his mother does so?

(i) Which simple machine do people use in villages to draw water from wells?

(j) Explain what causes the blowing of sea breeze during the day?

(k) If you leave naphthalene balls in the open, they become smaller in size after a few days.

Name the process due to which this happens?

(l) Kangaroos take care of their young ones, just like mammals. So, why are kangaroos known as marsupials?

(m) Why does the skin of aquatic animals not get affected in water?

(n) Name a special feature of the spider monkey that helps it hold on to the branches of trees?

(o) What is the role of chlorophyll in the process of photosynthesis?

(p) What are deciduous trees?

(q) Why do aquatic plants have hollow and flexible stems?

(r) What happens to the colour of a green leaf if you boil it in alcohol, then wash it in cold water and finally add a few drops of iodine to it?

(s) Explain how microbes can be useful to us at times.

(t) Why do we prefer light coloured clothes during summer?

Q2. Unscramble the following words with the help of the clues given:

(1 × 10 = 10)

(a) PWASN (A cluster of eggs). _____

(b) ONOCCO (Covering of the pupa). _____

(c) NRABIWO (A natural spectrum). _____

(d) ESOBRCIM (Very tiny organisms seen through microscopes). _____

(e) GRNEYE (The ability to do work). _____

(f) KOYL (The yellow portion of an egg). _____

(g) LERBBUB (A layer of fat in the body of some animals). _____

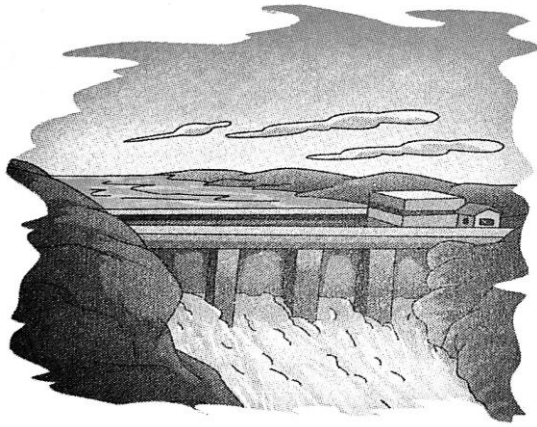
(h) AMOTATS (Tiny pores on the lower surface of a leaf). _____

(i) IBATAHT (The natural home of a plant or an animal). _____

(j) IROCFINT (Force that acts on an object to slow it down). _____

Q4. Identify the types of energy used in these pictures:

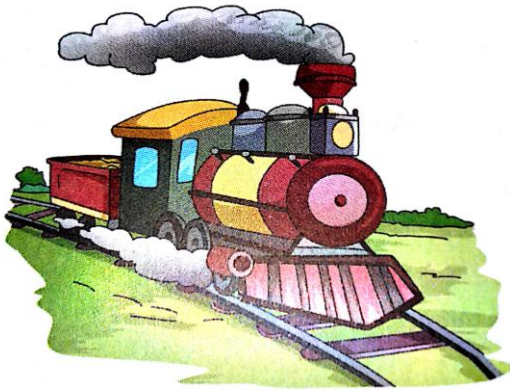
(1 × 4 = 4)



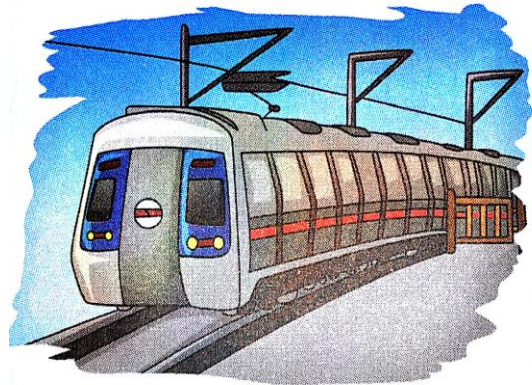
a) _____



b) _____



c) _____



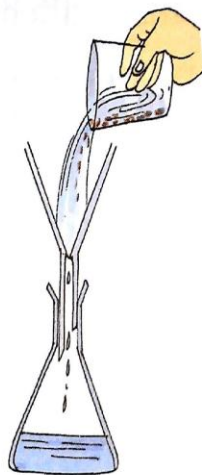
d) _____

Q5. Identify the processes shown below:

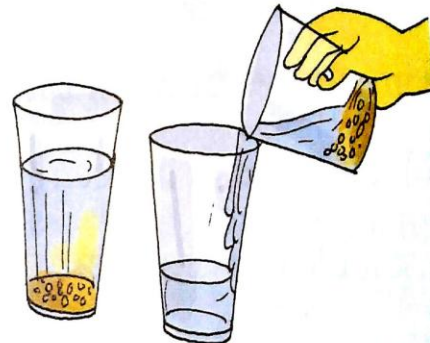
(1 × 3 = 3)



a) _____



b) _____



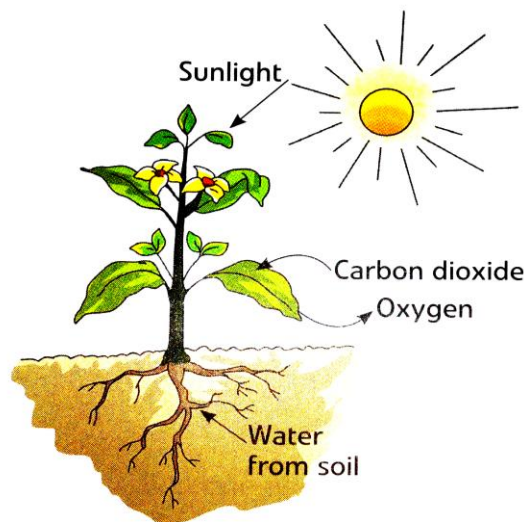
c) _____

Q.6. Look at the scene outside the window and answer the questions that follow: (1 × 3 = 3)

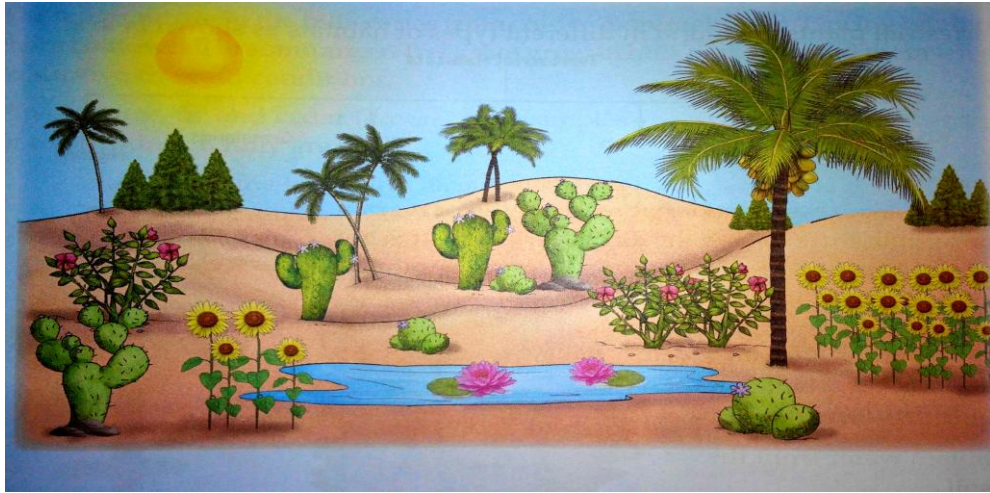


- (a) Why are the trees in the background conical? _____
- (b) Why are the people on the picture wearing woolen clothes? _____
- (c) Name one fruit that you eat in this season? _____

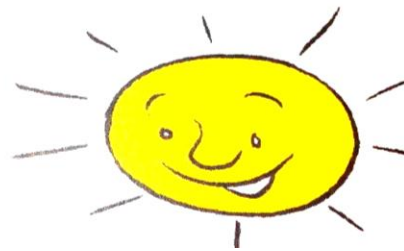
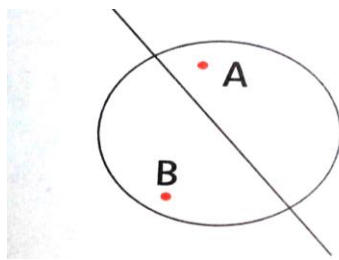
Q.7. Name and explain the process by which green plants make their own food as shown in the picture below. How does the water from soil go to the green leaves to complete this process? (1 + 2 + 2 = 5)



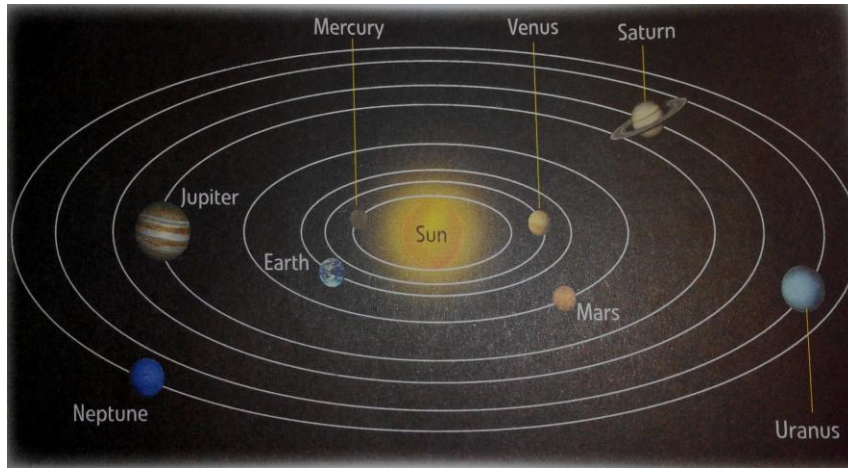
Q.7 List the things that are unusual in this picture of a desert? Circle a plant that is most suitable for a desert climate. List any two adaptations of that plant to survive in desert climate. (2 + 1 + 2 = 5)



Q.8. Observe the following picture. Name the seasons at places A and B on the earth. What causes the change of seasons? What would happen if the earth's axis was not tilted as shown in the picture? (1 + 2 + 2 = 5)



Q.9. Identify the picture below. Name the fourth planet from the sun in terms of distance. Name the only planet with rings around it. Why is it not possible for us to live on planet Mercury? **(1 + 1 + 1 + 2 = 5)**



Q. 10. State whether the following statements are ‘True’ or ‘False’. **(1 × 10 = 10)**

- a) Cholera is a water – borne disease. _____
- b) Wind is the main source of energy on earth. _____
- c) A screw is a special form of inclined plane. _____
- d) Proteins are energy giving nutrients. _____
- e) Extra fat should be stored in our body for future use. _____
- f) Water lettuce is a fixed aquatic plant. _____
- g) Turtle give birth to young ones. _____
- h) Crocodiles undergo hibernation. _____
- i) Strong forces of attraction between the molecules of gases make them compressible. _____
- j) Deforestation helps prevent soil erosion. _____