BCM SCHOOL BASANT AVENUE DUGRI LUDHIANA

CLASS VI **SUBJECT: SCIENCE**

I. Multiple choice questions

1. A magnet which retains its magnetic properties for a long period is called a
(a) magnetic substance (b) non-magnetic substance
(c) temporary magnet (d) permanent magnet

2. A child has bow or bent legs. He is suffering from the deficiency disease known as:
(a) scurvy. (b) rickets (c) Anaemia (d) Goitre

II. (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
(b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
(c) A is true but R is false.
(d) A is false but R is true.

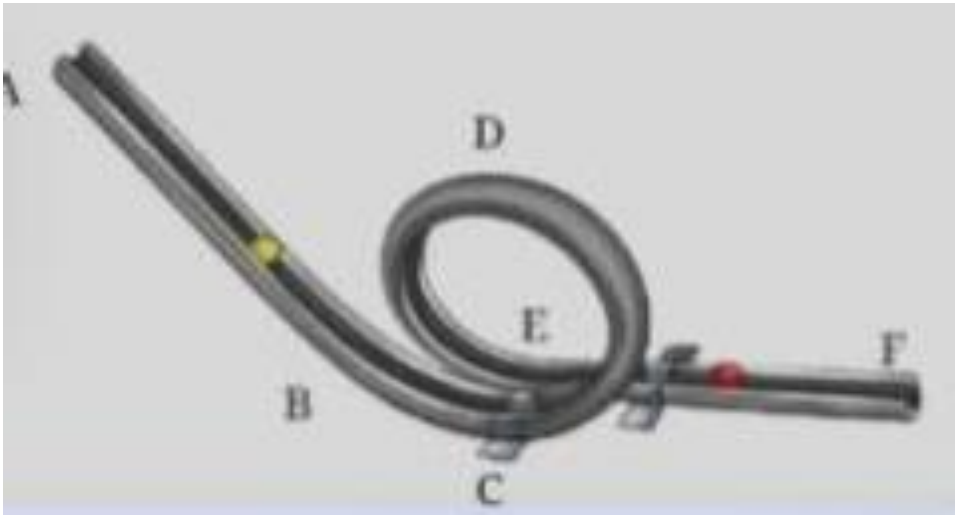
1. Assertion (A): The cactus plants have long roots.
Reason: Long roots of cactus absorb-water from a larger area.
Ans (a)

2. Assertion (A): The movement of all the planets around the sun is circular motion.
Reason (R): Motion of a boy sliding down a slope is circular

III.Que 1 Rohit plays a lot of football matches in his school. Which nutrient does he require in more quantity and why?

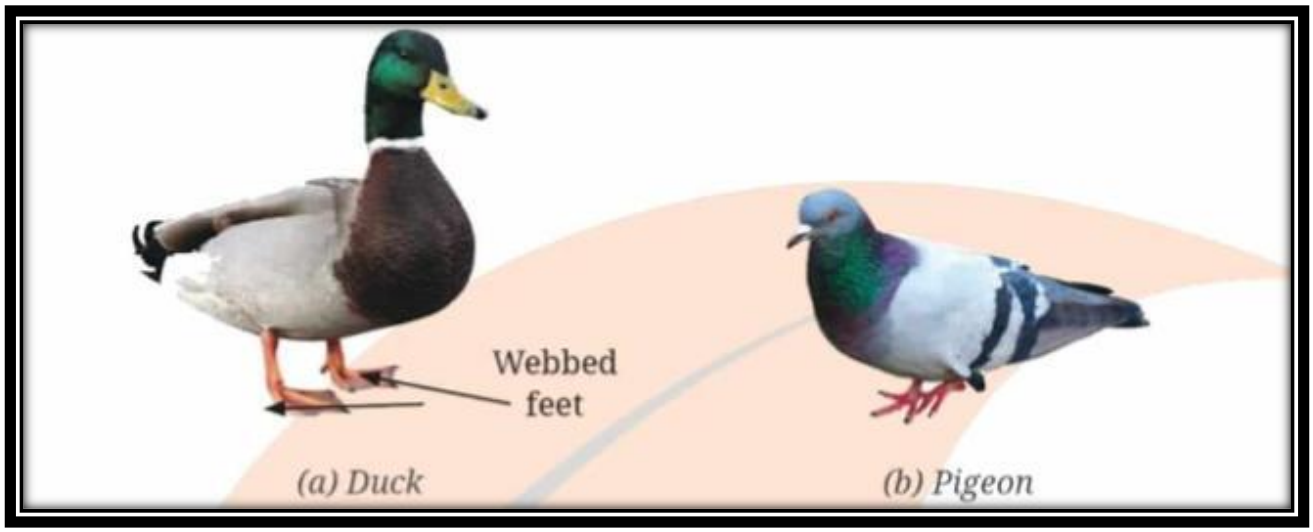
Que 2 It was observed that a pencil sharpener gets attracted by the poles of a magnet, although its body is made of plastic. Name a material that might have been used to make some part of it.

Que 5.A rollercoaster track is made in the shape shown in Figure. A ball starts from point A and escapes through point F. Identify the types of motion of the ball on the rollercoaster and corresponding portions of the track.



B) On a rainy day, Aneesh was standing near the window of his classroom and trying to see the playground through the window glass. As the windows were closed, he was seeing droplets of rain through the window glass. Then he tried to look outside through the paper but he could not see clearly.Why was he unable to see droplets of rain through the paper?

Que 5 Observe the labelled part of a duck in the picture given below. What differences do you observe in the feet of the duck compared to the other birds? Which activity would the duck be able to perform using this part?



CASE STUDY

Aryan placed two bar magnets close to each other and noticed that sometimes they attracted, while other times they repelled. His teacher explained that magnets have poles

and the behavior depends on which poles face each other. Aryan also learned that magnets can lose their magnetic power if not stored properly.

1. Aryan's brother has broken the magnet into two pieces. Do the poles of the magnet remain the same?"
2. What happens when unlike poles face each other?
3. How can magnets lose their magnetic property?