

I. **Multiple choice questions**

1. (d) permanent magnet
2. (b) rickets

II. **Assertion Reason**

1. (a)
2. (c)

III. **Ans 1** Rohit requires carbohydrates as these are energy giving food and will give him energy to play.

Ans:2 The blade of a pencil sharpener is made of iron which is a magnetic, material. Due to this a pencil sharpener gets attracted towards the poles of a magnet.

Ans 3: 1.The feet of the camels have thick, flat large soles which help them in the movement on sand.

2.The long legs of camel help in keeping the body away from the heat of the sand.

3.They can live without water for a long time. When water is available, it drinks large amount of water at a time.

4.They release very little urine to prevent loss of water.

Ans:4 (A) A to B: Linear motion

B to C: Curved motion

C to E: Circular motion

E to F: Linear motion

B) He was unable to see drops of rain through paper as paper is opaque.

Ans5: Differences in the Feet

(a) Duck has webbed feet.

(b) Pigeon does not have webbed feet; has regular bird feet with separate toes.

Activities the duck can perform with webbed feet

*Swimming – The webbed feet help the duck to paddle through water efficiently.

*Walking on muddy or wet surfaces -webbed feet provide stability and prevent the duck from sinking.

CASE STUDY

1 When a magnet is broken into pieces, each piece becomes a new, individual magnet, each with its own North and South poles

2.They attract each other

3.Due to heating, dropping, or improper storage