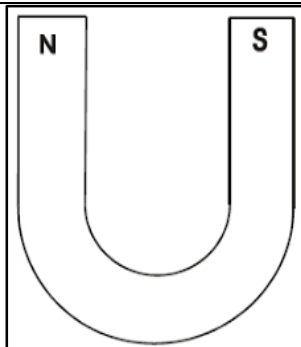


ANSWER KEY – CLASS 6 – SCIENCE – POMT – SET 1 – 2023 – 24

SECTION - A			
<p>1) c) They add water to the atmosphere.</p> <p style="text-align: center;">[1 mark]</p>	<p>2) d) Decrease in temperature of water.</p> <p style="text-align: center;">[1 mark]</p>	<p>3) a) Backbone is made of many small bones, while the femur is a long bone.</p> <p style="text-align: center;">[1 mark]</p>	<p>4) c) Take a piece of iron nail and rub it repeatedly on the magnet.</p> <p style="text-align: center;">[1 mark]</p>
<p>5) (iv) A is false but R is true</p> <p style="text-align: center;">[1 mark]</p>	<p>6) iv) A is false but R is true.</p> <p style="text-align: center;">[1 mark]</p>	<p>7) iv) A is false but R is true.</p> <p style="text-align: center;">[1 mark]</p>	
SECTION - B			
<p>8) During the movement, earthworm first extends front part of the body keeping the rear portion fixed to the ground. Then it fixes the front and releases the rear end. It then shortens the body and pulls the rear end forward. In this way by repeating such muscular expansions and contractions earthworm moves. [2]</p>			
<p>9) Fig. i): Unlike poles attract each other, while like poles repel each other.</p> <p>Fig. ii): A freely suspended bar magnet always comes to rest in a particular direction, which is the North-South direction. [1+1]</p>			
<p>10) a) - ATM, credit and debit cards have a magnetic strip that stores information and enables transactions of money.</p> <ul style="list-style-type: none"> - Magnets are used in junkyards to separate iron objects from other waste materials. - The magnetic compass is used to find directions. It has a small magnetic needle at its centre. - - Maglev or Magnetic levitation trains have been developed in Japan. These trains are without wheels and move a little above the rails. [Any 2 - ½ + ½] <p>b) [1]</p>			



SECTION - C

11) a) When Plaster of Paris and water are mixed, a new substance is and the change cannot be reversed. [1]

b) The metal rim is made slightly smaller than the wooden wheel. On heating, the rim expands and fits onto the wheel. Cold water is then poured over the rim, which contracts and fits tightly onto the wheel. [2]

12) a) Changes that can be reversed to get the original substances are called

reversible changes. Example: Melting of ice into water.

Changes that cannot be reversed to get back the original substances are called

irreversible changes. Example: setting of milk into curd. [$\frac{1}{2} \times 4 = 2$]

b) Due to the heat in summer, the metal wires expand and increase their length. [1]

13) a) If a magnet is hammered, it will lose its magnetism or get demagnetized. [1]

b) Substances which get attracted by the magnet are called **magnetic materials**.

e.g., iron, nickel, cobalt.

Substances which are not attracted by magnets are called **non-magnetic substances**.

e.g. wood, glass, rubber, plastic. [1+1]

SECTION - D

14) a) It is recommended by doctors to check an internal injury or a fractured bone. [1]

b) The muscles work in pairs. When one of them contracts, the bone is pulled in that direction, and then the other muscle of the pair relaxes. To move the bone in the opposite direction, the relaxed muscle contracts to pull the bone towards its original position, while the first one relaxes. A muscle can only pull. It cannot push. [2]

c) A - BALL AND SOCKET JOINTS - This placement allows maximum movement in all directions.

B - HINGE JOINTS - They allow movement in only in one plane or two directions - backward and forward, or upward and downward. [1+1]

SECTION - E

15) a) The soil continues to lose water through the process of transpiration from plants and evaporation and becomes dry. The level of water in the lakes, ponds and wells goes down and some may even dry up. [1]

b) The main functions of water for living organisms are:

- Water is essential for the germination of seeds, growth of plants and photosynthesis.
- Water is used for our basic requirements like bathing, washing, drinking, cooking etc. [1]

c) Turn off taps while brushing teeth, mop the floor instead of washing, take shorter showers say 5 minutes or less, leaking taps or water pipes should be repaired immediately. [1]