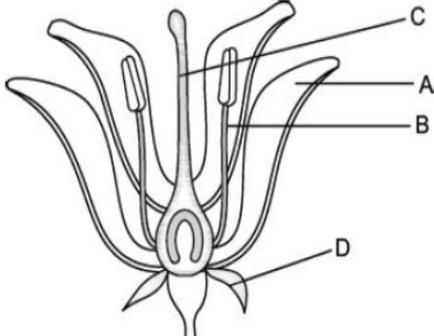


	c. A is true but R is false.	
	d. A is false but R is true.	
17	Assertion(A): Fishes have gills to respire. Reason(R): Gills help fishes to take oxygen dissolved in water.	1
18	Assertion (A): Sepals are the colourful part of a flower. Reason (R): The number of petals and sepals in a flower might not always be equal	1
19	Assertion (A): We must not keep the magnets near a television. Reason (R): A magnet demagnetises if kept near a television.	1
20	Assertion (A): Kitchen waste is used to make compost. Reason (R): Green waste is a biodegradable substance.	1

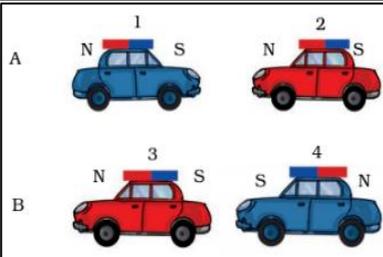
SECTION – B

Q. NO. 21 TO 26 are very short answer questions.

21	Label the parts of a flower A, B, C and D.		2
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22	Give reason for the following: a. Snow leopard has thick fur on its feet and toes. b. Compost is a better choice than chemical fertilizer. OR a. Desert animals such as rats and snakes, live in burrows. b. Plastic is a curse for the stray animals.	1 1
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23	Differentiate between conductors and insulators. Mention an example in each case.	2
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24	Observe the picture A and B and mention what will happen to cars 1 and 2 in position A and cars 3 and 4 in position B and why?		2
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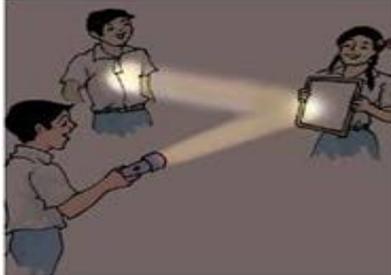
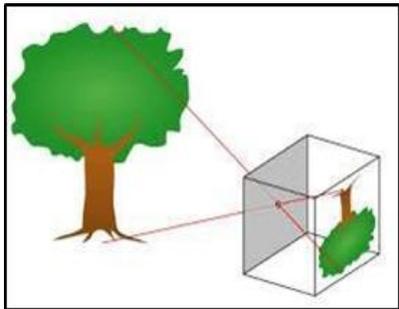
25	What is papier-mache? State any two uses of a papier mache.	2
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26	State any two conditions necessary for the formation of shadows.	2
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Section C

Q no 27 to 33 are short answer questions

27	Rohan dipped a bar magnet in a heap of iron filings and pulled it out. He found that iron filings got stuck to the magnet as shown in the figure. a. Which region of the magnet have more iron filings sticking to it? b. What are these regions called? c. If the bar magnet is cut into two pieces, where will the iron filings stick more in these two cut magnets?		3
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28	<p>a. What is meant by the term garbage?</p> <p>b. Suresh and Meenu found a heap of dry leaves in the park of their society. Suresh suggested to burn the leaves but Meenu suggested to convert it into compost and not burn them. Why is Meenu not in the favour of burning leaves and insisted to convert it into compost. Give reason for your answer.</p>	3	
29	<p>a. What will happen if the filament of an electric bulb breaks?</p> <p>b. Draw the symbol of an electric bulb, cell, closed switch and a battery.</p> <p style="text-align: center;">OR</p> <p>b. How is the arrangement of storing a bar magnet different from that of a U- shaped magnet?</p>	3	
30	<p>State any three adaptations of a predator living in a grassland.</p> <p style="text-align: center;">OR</p> <p>a. What is a landfill?</p> <p>b. What is done to the land when a landfill is completely filled with non-useful components of garbage?</p>	3	
31	<p>a. How do exchange of gases take place in plants?</p> <p>b. Give any two differences between respiration and photosynthesis.</p>	3	
32	<p>Study the given picture and answer the following .</p> <p>a. Name the phenomenon shown in the given picture and define it.</p> <p>b. What will happen if you replace the mirror used in the activity alongside with a wooden board?</p>		3
33	<p>A dog and a bicycle can move from one place to another. But a dog is considered to be a living thing whereas bicycle is considered to be a non-living thing. Give three reasons to justify this statement.</p>	3	
<p>Section D</p> <p>Q. no. 34 to 36 are Long answer questions.</p>			
34	<p>Observe the given picture and answer the following questions.</p> <p>a. On which principle does a pinhole camera work?</p> <p>b. State any one similarity and one difference between the image formed in a pinhole camera and the image formed in a mirror.</p> <p>c. What are translucent objects? Give any two examples.</p> <p style="text-align: center;">OR</p> <p>c. You are given a transparent glass sheet. Suggest any two ways to make it translucent without breaking it.</p>		5
35	<p>a. Why is repulsion considered as the sure test of magnetism?</p> <p>b. Write any two differences between natural and artificial magnets.</p> <p>c. Name any two artificial magnets.</p>	5	
36	<p>a. Redworms do not have teeth then how do they grind their food? What can we add to the pit to help redworms grind the food?</p> <p>b. Why we should not add meat to a vermicompost pit?</p> <p>c. Give two differences between vermicomposting and composting.</p> <p style="text-align: center;">OR</p>	5	

	c. All living things respond to external stimuli. Give any two examples.	
Section E		
Q. no. 37 to 39 are Case-based / Source-based questions with 2 to 3 sub-parts. Internal choice is provided in one of these sub-parts.		
37	<p>Aquatic plants help absorb harmful toxins in aquarium water, acting as natural filtration. There is a vast range of different aquatic plants which are adapted to live in the ponds or oceans. Adaptations are many and varied. Many aquatic floating plants have leaves that lie flat on the water for maximum sunlight collection. The stems of many aquatic plants have large air-filled areas to increase buoyancy. Many fruits of aquatic plants float on water, which increases dispersal as fruits and seeds float away.</p> <p>a. Give two examples each of terrestrial habitat and aquatic habitat. b. Define excretion and mention how do the plants get rid of the waste products.</p> <p style="text-align: center;">OR</p> <p>b. Define the term adaptation and give any two adaptations seen in aquatic plants.</p>	4
38	<p>Magnets were known to people from ancient times. Many properties of magnets were known to them. One such interesting story is about an emperor in China named Haong Ti. It is said that he had a chariot in with a statue of a lady. The extended arm of this statue always pointed towards South direction.</p> <p>a. What could be the reason behind the extended arm of the statue always pointing towards the South direction? b. Describe the steps involved in magnetising an iron strip with the help of a magnet.</p> <p style="text-align: center;">OR</p> <p>b. State the properties of a magnet.</p>	4
39	<p>Two plants of the same kind were dug out with the roots from the soil by a student. A student planted one of this plant in pot 1, while cut off the roots of another plant and planted it in pot 2 as shown in the figure. He watered both the plants for a week and then compared their growth.</p> <p>a. Which of the pot will have a healthy plant and why? b. Mention any two abiotic factors necessary for the plants to grow. c. What will happen if you try to grow a terrestrial plant in a pond?</p> <p style="text-align: center;">OR</p> <p>c. If the plant in pot 1 is covered with polythene bag and kept in the sunlight for few hours, we will observe water droplets in the polythene bag. Name the process responsible for this observation.</p>	4

