

Vikas Bharati Public School
SAMPLE PAPER (Session 2024-2025)

Class: VI
Subject: Science

Time : 2 Hours 30 minutes

M.M : 60

- Note:** 1. This question paper contains 4 printed pages and 6 questions.
2. All questions are compulsory
3. Over attempted questions will not be evaluated.
4. For MCQ's, write both the option and the statement.

<u>SECTION-A</u>			
1.	a)	Rahul has bow – shaped legs, he could be suffering from _____. (i) beri -beri (ii) night blindness (iii) scurvy (iv) rickets	1
	b)	A bar magnet is brought close to the iron filings lying on a table. At which two places of the bar magnet , maximum iron filings will be attracted? <div style="text-align: center;"> </div> (i) D and E (ii) B and E (iii) A and F (iv) A and C	1
	c)	Which of the following should you use to measure the size of your chest? (i) measuring rod (ii) measuring tape (iii) scale (iv) rope	1
	d)	Mayank comes across an animal having a streamlined and slippery body. What is the habitat of the animal? (i) aquatic (ii) desert (iii) grassland (iv) mountain	1
	e)	A tiny coiled metal wire present inside the bulb is called _____. (i) element (ii) filament (iii) conductor (iv) none of these	1
	f)	Which of the following is a characteristic of trees? (i) branches arise near the base (ii) tall plants with hard and thick stem (iii) green and soft stem (iv) cannot stand upright	1
	g)	At a construction site, stones can be separated from sand by the process of _____. (i) filtration (ii) sieving (iii) winnowing (iv) handpicking	1

	h)	Radha went in a completely dark room and held up a mirror in front of her. She would (i) be able to see her dark image in the mirror (ii) be able to see her bright image in the mirror. (iii) be able to see a dark patch in the mirror. (iv) not able to see any image	1
	i)	Which of these cannot respond to stimuli? (i) plant (ii) boy (iii) animal (iv) car	1
	j)	Filament of bulb is made of - (i) chromium (ii) iron (iii) platinum (iv) tungsten	1
2.	a)	Fill in the blanks: (i) Changes in our surroundings that makes us respond to them are called _____. (ii) _____ is a process used to separate butter from cream by shaking or stirring. (iii) A magnetic _____ is used for finding geographical location. (iv) When a body moves in a straight line , the motion is called as _____ motion. (v) _____ solution is used to test the presence of starch in a food sample.	5
	b)	Correct the underlined word and rewrite the complete statement - (i) Plants with parallel venation have <u>taproots</u> . (ii) An electric cell produces electricity from the <u>water</u> stored inside it.	2
	c)	Answer in one word for the following: (i) Objects that give out or emit light of their own. _____ (ii) A device that either breaks or completes the circuit. _____. (iii) The swollen basal part of the pistil _____.	3
		<u>SECTION-B</u> Note : Attempt any SIX parts from question no. 3.	
3.	a)	State two properties of magnets.	2
	b)	(i) Define shrubs. (ii) What kind of leaf venation and roots are present in the carrot plant.	1+1

	<p>c) (i) Observe the following pictures and write the type of motion in each case.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>(ii) While measuring a pencil with a scale , the initial reading is 2 cm and the final reading is 11.4 cm. What will be the length of the pencil in mm?</p>	1+1
	<p>d) (i) Food should not be heated over and over again. Give reason</p> <p>(ii) Sonia wants to collect many bright and colourful sea shells when she goes to the beach. Which separation process would you suggest her to use? Give a reason.</p>	1+1
	<p>e) What is shadow? How does it form?</p>	2
	<p>f) Trees in mountain regions are tall and conical in shape. Give reason.</p>	2
	<p>g) Why should an electrician use rubber gloves while repairing an electric switch at your home?</p>	2
<p><u>SECTION-C</u> Note : Attempt any FOUR parts from question no. 4</p>		
	<p>a) (i) Define Sedimentation.</p> <p>(ii) Anaya and Ajay brought a magnet near a paperclip and it was attracted towards the magnet. Later, they brought a plastic ruler close to the magnet , but nothing happened. Why was the paperclip attracted to the magnet while the plastic ruler was not? Explain.</p>	1+2
	<p>b) (i) Why do we often see bright circular patches of light on the ground under trees on a sunny day? Give reason.</p> <p>(ii) What are standard units? Why are they important for measurement?</p>	1+2
	<p>c) What is transpiration? How does it help a plant?</p>	3
	<p>d) (i) Mountain goats have thick white fur. Give reason.</p> <p>(ii) Draw the symbol of a battery.</p> <p>(iii) What is the direction of flow of current in a circuit?</p>	1+1+1
	<p>e) (i) Name the deficiency disease caused due to the deficiency of : (i) Vitamin A (ii) Iron</p> <p>(ii) Why is water essential for our body? (give 2 points)</p>	1+2

<u>SECTION-D</u>			
Note : Attempt any THREE parts from question no. 5			
4.	a)	(i) Draw a diagram of male reproductive part of a flower. Label its parts. (ii) Write any two precautions that should be taken care of while storing magnets.	2+2
	b)	(i) Saanvi was trying to see through a V shaped pipe. Will she be able to see through it? Give reason. (ii) What are primary and secondary cells?	2+2
	c)	(i) Define Circular motion. Give one example of circular motion. (ii) How is frog adapted to survive in both land and water? Give 2 points.	2+2
	d)	(i) Why do we need to separate component of a mixture? (ii) What is roughage? How does it help our body? (iii) Write two sources of dietary fibres.	1+2+1
<u>SECTION-E</u>			
Note : Question 6 is compulsory.			
6.		The teacher was discussing about the flora and fauna seen by the students during their vacation. Ram told about his trip to Rajasthan where he saw very few animals and plants in the desert region whereas Maya enthusiastically boasted about the beautiful plants she saw growing in Dal lake, Kashmir. Answer the following questions- (i) Which animal is known as the “Ship of the desert” and why? (ii) Name the following: (a) Plants seen by Ram - (b) Plants seen by Maya - (iii) Describe any two features that enable a plant to survive in aquatic region.	1+1+2