

केन्द्रीय विद्यालय संगठन, कोलकाता संभाग

KENDRIYA VIDYALAYA SANGATHAN, KOLAKATA REGION

अर्ध वार्षिक परीक्षा / HALY YEARLY EXAMINATION, 2026-27

कक्षा/ CLASS :VI

समय/ Time: 02:30 घंटे/ Hours

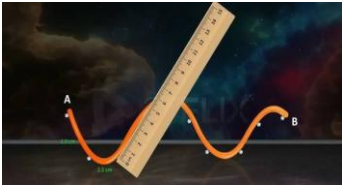
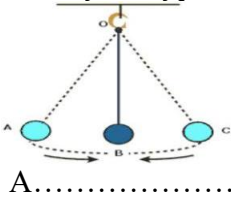
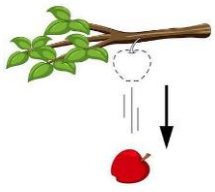
विषय/ SUBJECT : विज्ञान / SCIENCE

अधिकतम अंक/ Max. Marks: 60

General Instructions

1. All questions are compulsory.
2. Section A contains 18 MCQs question of 1 Marks each 18 marks.
3. Section B contains 6 Very Short Answer Questions of 2 marks each.
4. Section C contains 6 Short Answer type Questions of 3 marks each .
5. Section D contains Long Answer type Questions of 4 marks each .

Q.No	Section: A MULTIPLE CHOICE QUESTION	Marks
1	A student observes that a shadow changes its position during the day. Which scientific practice would help the student investigate this observation? a) Guessing the reason b) Making repeated observations c) Ignoring the observation d) Copying an answer from a book	1
2	Riya wants to find out whether sunlight affects the growth of a plant. Which should be kept the same in her experiment? a) Amount of sunlight only b) Type and amount of soil and water c) Growth of the plant d) Result of the experiment	1
3	A plant has parallel veins, fibrous roots and a narrow leaf. It is most likely a: a) Mango plant b) Rose plant c) Grass plant d) Pea plant	1
4	Which of the combination of above features are typical of desert plants? (a) (i) and (ii) (b) (ii) and (iv) (c) (ii) and (iii) (d) (iii) and (iv)	1
5	Two animals are seen near a pond. One has fins and gills while the other has four legs and lungs. What can you infer? a) Both are fish b) Both are amphibians c) They belong to different groups d) Both live in the same habitat always	1
6	A child eats rice, dal, vegetables and curd regularly. Which statement best explains this meal? a) It contains only carbohydrates b) It provides a variety of nutrients c) It contains only proteins d) It contains no minerals	1
7	Which of the following is a good mindful-eating practice? a) Eating very quickly b) Eating while continuously watching television c) Chewing food properly and noticing its taste d) Skipping breakfast regularly	1
8	In which state 'MAKKI DI ROTI AND SARSON DA SAAG is commonly eaten a) Gujrat b) Rajasthan c) Punjab d) Kerala	1
9	Q9. Which material is most strongly attracted by a magnet? a) Plastic b) Iron c) Wood d) Glass	1
10	A student brings a magnet near four objects: an iron nail, a copper coin, a wooden pencil and a steel pin. Which pair will most likely be attracted? a) Nail and pin b) Coin and pencil c) Pencil and nail d) Coin and pencil	1
11	The force of attraction in a bar magnet is more stronger at a) Edges b) Poles c) Centres d) Sides	1

12	If the north pole of one magnet is brought near the north pole of another magnet, they will: a) Attract each other b) Repel each other c) Become one magnet d) Show no effect	1
13	The length of a cricket pitch is best measured in: a) Millimetres b) Centimetres c) Metres d) Kilometres	1
14	In the given below diagram. Which method is most suitable to measure its length? a) Place it straight without changing it b) Use a thread along its curve and then measure the thread c) Guess its length d) Measure only its width	1
		
15	A car travels 10 m in the first minute and 10 m in the second minute. What can you say about its motion during these two minutes? a) It is at rest b) It covers equal distances in equal intervals of time c) It is moving randomly d) It has no motion	1
16	Which property of a material tells us whether it allows light to pass through it? a) Solubility b) Transparency c) Hardness d) Magnetism	1
17	A student puts salt into water and stirs it. After some time the salt cannot be seen. Choose the scientifically correct option. a) Salt has disappeared completely b) Salt has dissolved in water c) Salt has changed into water d) Water has become solid	1
18	A school wants to make windows that allow sunlight to enter but also provide some privacy. Which material would be most suitable? a) Clear glass b) Frosted glass c) Wooden board d) Metal sheet	1
SECTION B – VERY SHORT ANSWER		
19	Why curiosity is considered the driving force behind scientific discoveries? Explain with a reason.	2
20	Here are two types of seeds. a) Wheat (b) Kidney beans. What differences do you find among the roots and leaf venation of their plants?	2
		
21	Why are millets considered a healthy choice of food? Give two examples of millets	2
22	A bar magnet is suspended freely by a thread. After sometime, it stops moving and points in a particular direction. Which direction does the magnet point? Give an example of a device which we use in daily life. What does this property of a magnet help us to find?	2
23	Suppose the distance between your school and home is 1.5 Km. Express it in metres. Why we can't consider pace or hand span as a measuring standard unit?	2
24	Identify the type of motion in given below diagram.  A.....  B.....	2

	SECTION C – SHORT ANSWER QUESTIONS											
25	A student observes that a cactus survives well in a hot and dry region, whereas a lotus grows well in water. Explain three ways in which these plants are suited to their surroundings.	3										
26	The containers which are used to store materials in shops and at home are usually transparent. Give 3 points.	3										
27	Reshma had trouble seeing things in dim light. The doctor tested her eyesight and prescribed a particular vitamin supplement. He also advised her to include a few food items in her diet. (i) Which deficiency disease is she suffering from? (1 mark) (ii) Which food component may be lacking in her diet? (1 mark) (iii) Suggest some food items that she should include in her diet to overcome this problem. (1 mark) Or Reena tested four food samples using iodine solution. Her observations are given below:- <table><tr><th>FOOD SAMPLE</th><th>OBSERVATION AFTER ADDING IODINE SOLUTION</th></tr><tr><td>(I) Roti</td><td>Turned blue black colour</td></tr><tr><td>(ii)Apple</td><td>No colour change</td></tr><tr><td>(iii) peanuts</td><td>No colour change</td></tr><tr><td>(iv) potato</td><td>Turned Blue black colour</td></tr></table> Answer the following given below question a) Which food samples contain starch? (1 Mark) b) Why some of the above food item don't show no colour change? (1 Mark) c) Which test you will suggest for milk to test protein? (1 Mark)	FOOD SAMPLE	OBSERVATION AFTER ADDING IODINE SOLUTION	(I) Roti	Turned blue black colour	(ii)Apple	No colour change	(iii) peanuts	No colour change	(iv) potato	Turned Blue black colour	3
FOOD SAMPLE	OBSERVATION AFTER ADDING IODINE SOLUTION											
(I) Roti	Turned blue black colour											
(ii)Apple	No colour change											
(iii) peanuts	No colour change											
(iv) potato	Turned Blue black colour											
28	Discuss traditional versus modern culinary practices in INDIA.	3										
29	Two ring magnets X and Y are arranged as shown in Fig. 4.16. It is observed that the magnet X does not move down further. (a) What could be the possible reason? (1 mark) (b) Suggest a way to bring the magnet X in contact with magnet Y, without pushing either of the magnets either of the magnet. (2 mark)  Fig. 4.16: Two ring magnets	3										
30	Rohan wants to measure the exact length of his school study desk. He uses a standard metric ruler, but its zero (0 cm) mark is completely broken and worn out. The first clear, readable mark on his ruler starts at 2.5 cm. When he places the ruler along the edge of the desk, the other end aligns perfectly with the 45.8 cm mark. (a) Explain the correct scientific method Rohan should use to find the actual length of the desk using this broken ruler. (1 Mark) (b) Calculate the actual length of Rohan's desk in centimeters. (1 Mark) (c) If a toy car travels across this entire desk length in exactly 2 seconds, what type of motion is the car showing if it moves in a straight line without changing its speed? 1 mark	3										

SECTION D – LONG ANSWER QUESTIONS		
31	Observe the following situation: A school garden contains grass, flowering plants, trees, butterflies, earthworms and birds. a) Why is it useful to classify living organisms? (1 marks) b) Give two features that can be used to group plants. (1 mark) c) Give one feature that can be used to group animals. (1 mark) d) How does classification make the study of living organisms easier?(1mark)	4
32	A student has a bar magnet but its poles are not marked. Describe an experiment to identify its north and south poles using a freely suspended magnet. Also show with the help of diagram what will happens if (a)like and unlike poles are brought close to each other (b) like pole and like pole are brought close. (1+1+1+1) Or Carry out an activity to show that a magnet can exert its force even when placed under water. Write the materials required, procedure, observation, conclusion .Also draw a neat labelled diagram of the activity. (4 marks)	4
33	You are provided with the following materials—vinegar, honey, mustard oil, water, glucose and wheat flour. (a)Make any two pairs of materials where one material is soluble in the other and mention the reason. (2marks) (b)Now, make two pairs of materials where one material remains insoluble in the other material and mention the reason. (2marks)	4
