1. Arnav’s new friend shares his love of books. But, his friend is blind.
   
   From the following options, choose the best way for Arnav to share his books with his friend.
   
   A. Arnav can share a copy of every book that he reads.
   B. Arnav need not share his books with his friend, as his friend would not be able to read them.
   C. Arnav can read out books to his friend.
   D. Arnav can share video games instead of his books.

2. Sameer loves dogs. He understands their behaviour. He is good at making them follow his instructions.
   
   Many dog owners appoint Sameer to make their dogs obey their instructions.
   
   What is Sameer's profession?
   
   A. Veterinarian
   B. Pet groomer
   C. Pet sitter
   D. Pet trainer

3. In each of the following options, the name of a game is associated with a certain Indian festival. Which of these games does not match the festival?
   
   A. Kabaddi—Baisakhi
   B. Kite flying—Diwali
   C. Boat race (‘Vallam Kali’)—Onam
   D. Dahi handi—Janmashtami

4. A community has planned several activities to ensure a safe environment and clean surroundings.
   
   Which of these does not form part of such an activity?
   
   A. Separating green (natural) and plastic waste
   B. Making compost from the green waste
   C. Restricting the usage of polythene bags
   D. Burning all the plastic waste periodically
1. Floods and droughts affect agricultural production. Given below are some suggestions to help farmers cope with the problems caused by these natural disasters.

Identify the incorrect suggestion.

A. Plant the right type of crop depending on the arrival or delay of the monsoon.
B. Ask for help from the government to provide alternative irrigation facilities if the rains fail.
C. Build canals to drain the flood waters and store them in tanks for future use.
D. Drain the extra water after heavy rains into oceans.

2. A physical change only changes the form of a substance but not its components.
Which of these four physical changes cannot be reversed?

A. melting of ice
B. making a chocolate bar by melting a chocolate block
C. stretching a rubber band
D. chopping a wooden block in half

3. Protein is an important nutrient for a balanced diet. Given below is a list of food items along with their protein content per 100 g (approximately).

   i. Paneer – 23 g
   ii. Chicken – 40 g
   iii. Rajma (kidney beans) – 6 g
   iv. Boiled egg(s) – 13 g

Which of the following food combinations will have the maximum protein content based on the above information?

A. Rice and 50 g chicken
B. Rice and 200 g paneer
C. Rice and 100 g boiled eggs
D. Rice and 200 g rajma
4. Sarita has been feeling sick due to her unhealthy food habits. Her doctor advises her to eat healthy food and to maintain a balanced diet. Choose the option that does not fit in with the doctor’s advice.

A. Drink ten to twelve glasses of water daily.
B. Eat fewer high-carbohydrate foods such as rice.
C. Eat more fat-rich foods such as potato fries.
D. Include more green leafy vegetables and fresh fruits in the diet.
1. Sakshi had recently studied about the solubility of substances. The teacher gave a fact that 1.7 g of sugar can be dissolved in 1 mL of water. 

She asked Sakshi a question: “Can 200 g of sugar be dissolved completely in 100 mL of water?” 

Which of the following is the right answer to this question?

A. 200 g of sugar dissolves completely in water immediately after it is added.
B. 200 g of sugar dissolves completely in water, but only after stirring the solution.
C. 200 g of sugar dissolves completely in water after heating the solution above room temperature.
D. 200 g of sugar dissolves completely in water if the sugar is finely powdered.

2. Samuel's class was performing activities on the floating and sinking of different objects in various solutions. The teacher asked Samuel to perform an activity to show if wood and iron nails will float or sink in vegetable oil.

What would be his conclusion?

A. Wood sinks and iron nails float in vegetable oil.
B. Wood and iron nails both sink in vegetable oil.
C. Wood and iron nails both float in vegetable oil.
D. Wood floats and iron nails sink in vegetable oil.

3. All organisms, irrespective of their shape, size, colour, and habitat, need food to survive.

What is the most appropriate reason for this?

A. to consume the available food and clear up the space for other organisms
B. to reproduce a better offspring
C. to replace worn out cells, stay healthy, and stay strong
D. to show its strength to other organisms
4. Richa and Simar work at the same office. Richa’s house is 1 km away from the office while Simar’s house is 3 km away. Richa walks to her office at a speed of 2 km/h while Simar cycles to work at a speed of 10 km/h.

How long will Richa and Simar take to reach the office?

A. Richa – 3 minutes, Simar – 1.8 minutes
B. Richa – 30 minutes, Simar – 18 minutes
C. Richa – 10 hours, Simar – 30 hours
D. Both Richa and Simar will take the same time.
1. Vishal wanted to test the effect of sunlight on the growth of plants. He decided to plant four saplings of the same flowering plant in four different locations and recorded their growth.

   Plant 1: In the garden
   Plant 2: Inside the house in a dark place
   Plant 3: In the room, next to a glass window
   Plant 4: In his garden under a shady tree

Which of these is an incorrect observation made by him?

A. Plant 1 grew normally, was healthy, and bore flowers.
B. Plant 2 grew normally and was healthy with lots of flowers and fruits.
C. Plant 3 grew well, but started bending towards the window.
D. Plant 4 grew slowly, but never bore flowers and was not a healthy plant, no matter how well Vishal nourished it.

2. Ajay bought a toy in the shape of a pendulum. It follows the path AOBOA (as shown in the image below) continuously until it comes to rest.

   i. What is the reason behind this type of motion?
   ii. Name the positions A, O, and B.

   ![Diagram of a pendulum]

A. i. The pendulum follows a circular motion.
   ii. A and B are called extreme positions. O is the mean position of the pendulum.

B. i. The pendulum follows a straight-line motion.
   ii. A and B are called mean positions. O is the extreme position of the pendulum.

C. i. The pendulum follows an oscillatory motion which is periodic.
   ii. A and B are called mean positions. O is the extreme position of the pendulum.

D. i. The pendulum follows an oscillatory motion which is periodic.
   ii. A and B are called extreme positions. O is the mean position of the pendulum.
3. Muskaan had a fever for a couple of days. She went to a doctor who prescribed her certain antibiotics. Her fever gradually came down after three days of antibiotics. What do you think caused her fever?

A. Diabetes  
B. Deficiency  
C. Bacteria  
D. Virus

4. Proper use and maintenance of laboratory equipment such as glass thermometers is essential for laboratory safety. Choose the option that is an incorrect instruction for handling thermometers.

A. A thermometer should never be used as a stirring device.  
B. A thermometer should never be brought near an open flame.  
C. A thermometer must be swirled and shaken well before it is used again.  
D. A thermometer must be kept on an anti-rolling device to avoid breakage.
## Answer Key

### Class 5

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