



ANANDALAYA
PERIODIC TEST-2
Class: VI

Subject: Science
Date: 19-09-2025

M.M: 50
Time: 2 hours

General Instructions:

1. This question paper consists of 23 questions. All questions are compulsory.
2. The question paper has four sections: Section A, Section B, Section C and Section D.
3. Section A consists of 11 multiple choice questions carrying 1 mark each.
4. Section B consists of 3 short answer questions carrying 2 marks each.
5. Section C consists of 6 short answer type questions carrying 3 marks each.
6. Section D consists of 3 long answer type questions carrying 5 marks each.

SECTION-A

1. A naturally occurring magnet is called _____. (1)
(A) Soft iron (B) Steel (C) Lodestone (D) Electromagnet
2. Which of these tools is most suitable for measuring the length of pencil? (1)
(A) Measuring tape (B) Ruler (C) Cubit (D) Handspan
3. The best example of mindful eating is _____. (1)
(A) eating chips while watching TV (B) finishing food quickly to go to play
(C) skipping meals when not hungry (D) chewing slowly and noticing the taste
4. Rachit adds some sugar into tap water at room temperature and stirs it. He observes that the sugar has disappeared because sugar is/has _____ in water. (1)
(A) insoluble (B) dissolved (C) evaporated (D) condensed
5. What will happen when salt and chalk powder are mixed in water? (1)
(A) Both chalk and salt will dissolve (B) Only salt dissolves
(C) Only chalk dissolves (D) Both chalk and salt will not dissolve
6. Which combination will be most effective for the students of Class VI to measure a curved line? (1)
(A) Ruler and thermometer (B) Stopwatch and protractor
(C) Magnet and pin (D) Thread and scale
7. Which criteria is not appropriate for classifying plants? (1)
(A) Leaf structure (B) Type of soil
(C) Flowering (D) Soft or woody stem
8. Which of the following describes the scientific method most accurately? (1)
(A) A process of memorizing information about different topics.
(B) A method of guessing answers without testing them.
(C) A step-by-step process involves observation, hypothesis, experiment, analysis and conclusion.
(D) A way to only analyze the existing data without conducting new experiments.

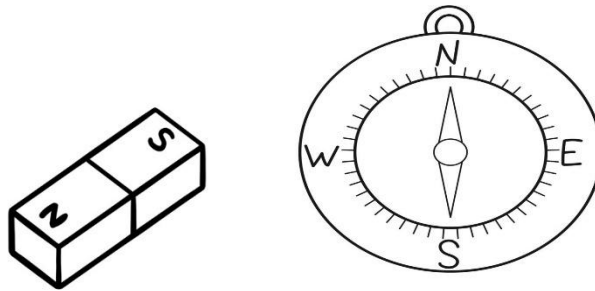
For question numbers 9 to 11. Select the correct option from the options given below.

- (A) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.
 - (B) Both Assertion and Reason are true but Reason is NOT the correct explanation of Assertion.
 - (C) Assertion is true but Reason is false
 - (D) Assertion is false and Reason is also false.
9. A: A compass needle always aligns itself in north-south direction. (1)
R: Magnetic south of the earth is aligned with geographic north pole.

10. A: Frying pan is a translucent object. (1)
R: Translucent objects allow all the light to pass through them.
11. A: The motion of a minute hand in a clock is a circular motion. (1)
R: In circular motion, an object moves to and fro about a fixed point.

SECTION-B

12. Give two differences between monocots and dicots. (2)
13. Raj was diagnosed with the condition of anemia. Write any two symptoms associated with anemia. (2)
Which type of food should he consume to overcome this?
14. A bar magnet is kept close to a magnetic compass but the needle shows no response as given in the figure below. Give two possible reasons for the observation. (2)



SECTION-C

15. Observe the figures given below and answer the questions that follow: (3)

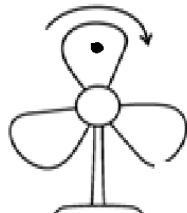
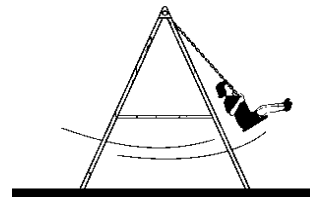


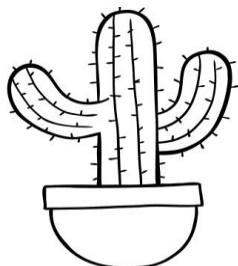
Table Fan



Swing

Identify and define the type of motion of:

- (i) A dot marked on the moving blade of the table fan.
- (ii) The child on a moving swing.
16. (a) What are magnetic and non-magnetic substances? Give two examples of each. (3)
(b) Name any two devices that use magnet for their function.
17. (a) Identify the plants in pictures A and B given below. (3)



(A)



(B)

(b) Write any one adaptation of A and B that helps them to survive in their habitat.

18. Shivani aspires to become a scientist. Write any six skills that you would recommend her to develop to achieve her goal. (3)
19. A family has cheese sandwich, milk and oats for breakfast. (3)
(a) Is this a healthy and nutritious meal?
(b) Which type of nutrients are provided by each of them?
(c) **What value is shown by the family by choosing such a breakfast?**
20. (a) When is an object said to be at rest and in motion? Explain it with an example. (3)
(b) Is it possible for an object to be in motion and rest at the same time for two different observers? Justify your answer with a suitable example.

SECTION-D

21. (a) Rajat has an iron strip and a bar magnet with him. How can he convert the iron strip into a magnet? Explain the method with a diagram. (5)
(b) Write any two ways to store the magnets safely.
(c) What happens if a bar magnet is broken into two pieces?
22. (a) Differentiate transparent, translucent and opaque materials by giving one example for each. (5)
(b) Is our palm translucent? Justify your answer.
23. A track of a roller coaster is made in the shape given below. A ball starts from point A and escapes through point F. (5)
(a) Name and define the type of motion of the ball while moving from A to B.
(b) Name and define the type of motion of the ball while moving from C to F.
(c) What would be the motion of the ball if there was no loop in the track of the roller coaster?

