



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

TERM 1 EXAM (2026-27) SCIENCE (SET II)

Class: VI

Time: 3 hours

Date: 31/08/26

Max Marks: 80

General Instructions:

- (i) This question paper consists of 39 questions in 5 sections.
- (ii) All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
- (iii) **Section A** consists of 20 objective type questions carrying 1 mark each.
- (iv) **Section B** consists of 6 Very Short questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.
- (v) **Section C** consists of 7 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.
- (vi) **Section D** consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts.
- (vii) **Section E** consists of 3 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words

SECTION- A

1. What is the main aim of science?
 - a) To memorize facts
 - b) To understand the world around us
 - c) To win competitions
 - d) To learn formulas only
2. Which quality is most important for a scientist?
 - a) Curiosity
 - b) Anger
 - c) Laziness
 - d) Fear
3. The movement of animals from one place to another is called _____.
 - a) moving
 - b) locomotion
 - c) hopping
 - d) walking
4. The place where a living organism lives and grows naturally is called its _____.
 - a) environment
 - b) surroundings
 - c) biodiversity
 - d) habitat
5. The nutrient that helps our body in growth, development, and repair is _____.
 - a) protein
 - b) fat
 - c) carbohydrate
 - d) mineral
6. Which of the following is a protective food?
 - a) Pulse
 - b) Oil
 - c) Fruit
 - d) Cereal
7. Which of the following is a property of magnets?
 - a) They have a single pole
 - b) They can only repel each other
 - c) They create a magnetic field
 - d) They do not interact with iron
8. In which situation will magnets NOT lose their magnetism?
 - a) When heated
 - b) When dropped from a height
 - c) When freely suspended
 - d) When struck with a hammer
9. A tailor needs to measure the length of a person's waist for a dress. Which tool is most appropriate?

- a) Ruler
 - b) Measuring tape
 - c) Weighing scale
 - d) Sundial
10. What is the error in Gagan's measurement if he measures a rope to be 410 metres, but the actual length mentioned on the packaging is 400 metres?
- a) 5 metres
 - b) 10 metres
 - c) 15 metres
 - d) 20 metres
11. Which of the following represents the correct relationship between speed (S), distance (D), and time (T)?
- a) $D = S/T$
 - b) $T = S \times D$
 - c) $S = D/T$
 - d) $S = T/D$
12. The SI unit of distance is _____.
- a) km
 - b) m
 - c) cm
 - d) m/s
13. Which of the following is NOT a unit of speed?
- a) km/h
 - b) m/s
 - c) s/m
 - d) cm/s
14. Which of the following is translucent?
- a) Wooden door
 - b) Glass pane
 - c) Marble sheet
 - d) Cloth curtain
15. Which of the following is hard and floats on water?
- a) Iron block
 - b) Sponge
 - c) Wooden plank
 - d) Gold coin
16. Which of the following material is NOT soluble in water?
- a) Salt
 - b) Sugar
 - c) Chalk
 - d) Lemon juice

- a) Both A and R are true, and R is the correct explanation of A.
 - b) Both A and R are true, and R is not the correct explanation of A.
 - c) A is true but R is false.
 - d) A is false but R is true.
17. **Assertion (A):** Living organisms show a great variety in their appearance and habits.
Reason (R): All living organisms live in exactly the same habitat.
18. **Assertion (A):** A balanced diet is important for good health.
Reason (R): A balanced diet provides all the nutrients required by the body.
19. **Assertion (A):** A magnet attracts iron objects.
Reason (R): Iron is a magnetic material.
20. **Assertion (A):** The SI unit of length is the metre (m).
Reason (R): All lengths are measured using the metre as the standard unit.

21. Define magnetic force.
OR
Define magnetic poles.
22. Metals are preferred to make trophies and medals. Why do you think so?
23. What are water- soluble vitamins?
24. Define biodiversity.
25. Define distance.
26. What do you mean by measurement?

27. What is science? Why is it important in our daily life?
28. Differentiate between circular motion and rotational motion. Support your answer with suitable examples.
29. Differentiate between magnetic and non-magnetic materials.
30. What are the three main groups of food based on the nutrients present in them?

31. Define classification. Give an example from your daily life where classification is useful to you.
32. What are shrubs? Give two examples.
- OR
- Differentiate between taproot and fibrous root systems.
33. What are physical quantities? Name any three physical quantities.

SECTION- D

34. Read the following and answer the questions- 4

Riya and her friends visited a nature park. They observed many living organisms such as trees, butterflies, birds, fish, frogs, and mushrooms. Their teacher explained that living organisms differ in their size, shape, habitat, and food habits. Some live on land, some in water, and some can live both on land and in water. This variety of living organisms is called diversity in the living world.

Questions:

1. What is meant by diversity in the living world? 1
2. Which organism mentioned in the passage can live both on land and in water? 1
3. Classify the following organisms into their habitats: 2

- Fish
- Butterfly
- Frog
- Tree

OR

4. Mention any two ways in which living organisms differ from one another. Give one example for each difference. 2

35. Read the following and answer the questions- 4

Riya usually buys chips, soft drinks, and chocolates from the school canteen. She often skips breakfast because she wakes up late. After a few weeks, she starts feeling tired during sports activities and finds it difficult to concentrate in class. Her teacher explains the importance of eating a balanced diet and maintaining healthy eating habits. Riya decides to bring homemade food, fresh fruits, and a water bottle to school every day.

Questions:

1. Which unhealthy habit was affecting Riya's health? 1
 - a) Drinking enough water
 - b) Eating homemade food
 - c) Skipping breakfast and eating junk food
 - d) Eating fresh fruits
2. Which of the following is the healthiest choice for Riya's lunch? 1
 - a) Chips and soft drink
 - b) Burger and fries
 - c) Homemade chapati, vegetables, and curd
 - d) Chocolate and cake
3. Why is breakfast considered an important meal of the day? Give any two reasons. 2

OR

4. Suggest any two healthy eating habits that Riya should continue to follow for good health. 2

36. Read the following and answer the questions- 4

During a science activity, Aarav collected different objects from his home—a steel spoon, a wooden ruler, a glass bottle, a cotton cloth, and a plastic lunch box. His teacher asked the students to observe the properties of these materials such as hardness, transparency, flexibility, and whether they float or sink in water. Aarav noticed that different materials have different properties, which make them suitable for different uses.

Questions:

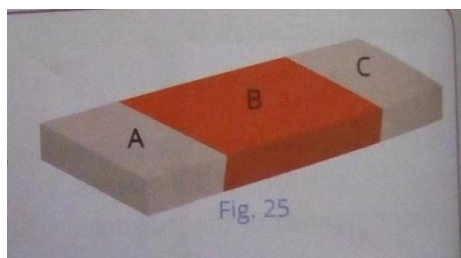
1. Which material from Aarav's collection is transparent? 1
 - a) Cotton cloth
 - b) Wooden ruler
 - c) Glass bottle
 - d) Steel spoon
 2. Why is a steel spoon commonly used for eating food? 1
 - a) It is transparent.
 - b) It is hard and durable.
 - c) It is soft and flexible.
 - d) It dissolves in water.
 3. Explain any two properties that make plastic suitable for making lunch boxes. 2
- OR
4. A cotton cloth and a glass bottle are made of different materials. State two differences in their properties. 2

SECTION-E

37. Explain why a magnet always rests in the north- south direction when suspended freely.

OR

- a) Which part/parts of the magnet- A, B, or C- shown in the Fig. 25 will attract the highest number of iron fillings? Justify your answer.



- b) A horseshoe magnet and a bar magnet are broken into two pieces, as shown in Fig. . Mark the poles of each piece.



38. What do you mean by an error in measurement? List the precautions we can take to reduce errors while measuring length.

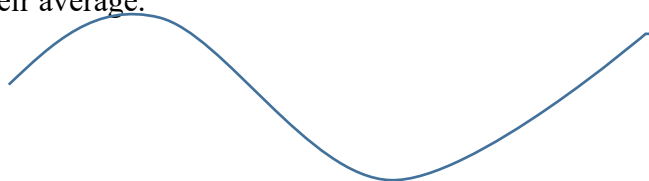
OR

a) Four pieces of wooden sticks (A, B, C, and D) are placed along the length of a 15- cm-long ruler, as shown in Fig. 10.4. Which of them is 3.4 cm in length?



Fig. 10.4

b) Measure the length of the curved line in Fig. using a thread and a ruler. Take three readings and find their average.



39. Define the following:

(a) Curvilinear motion

(b) Oscillatory motion

(c) Periodic motion

(d) Rectilinear motion

(e) Random motion

OR

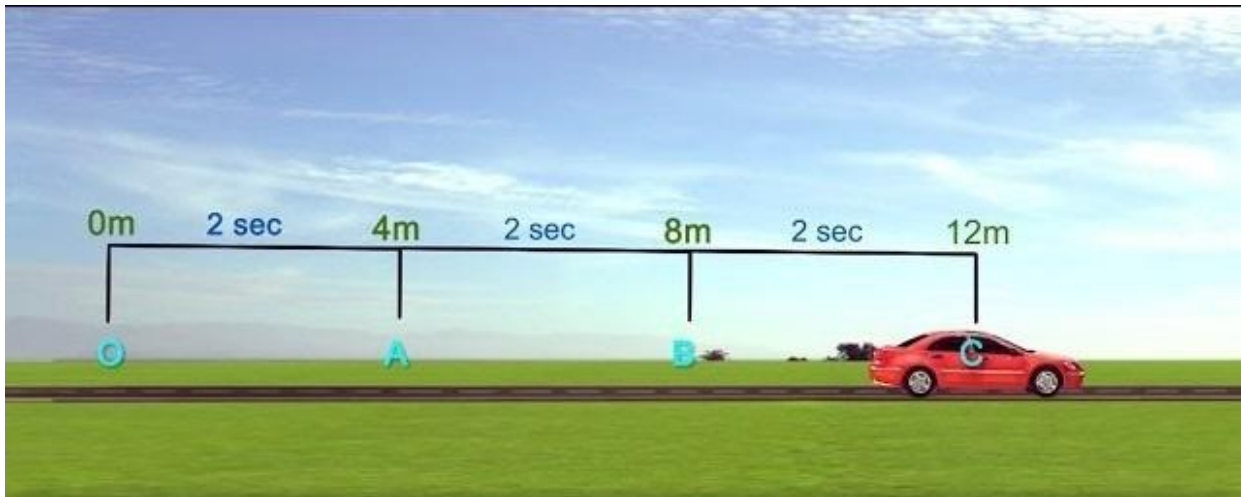
(a) Girl A is sitting in a moving train that passes by a platform as shown in Fig. 3.3, is she in motion with respect to

(i) An observer standing on the platform?

(ii) A passenger sitting beside her in the train?



(b) Does the car shown in Fig. represent uniform motion? Explain.



*****ALL THE BEST*****