



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 I)

Class: VI

Time: 3 hours

Date: 31/08/26

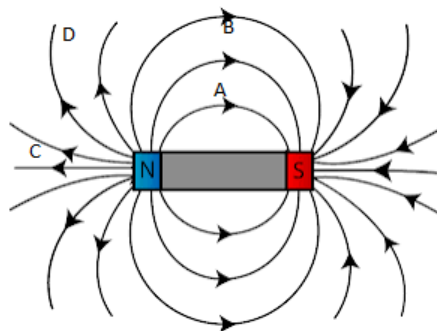
Max Marks: 80

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 science?
 - a) A type of game
 - b) A way of understanding the natural world through observation and experiments
 - c) A story book
 - d) A musical instrument
2. Which of the following is the first step in the scientific method?
 - a) Drawing conclusions
 - b) Conducting an experiment
 - c) Asking a question or observing something
 - d) Writing a report
3. Which of the following type of plants has a short height and a green, tender stem?
 - a) Tree
 - b) Shrub
 - c) Herb
 - d) Climber
4. Which of the following plants has a taproot system?
 - a) Rice
 - b) Wheat
 - c) Pea
 - d) Maize
5. Which of the following is a traditional cooking practice?
 - a) Chulha
 - b) Gas stove
 - c) Microwave oven
 - d) Electric grinder
6. Meat is a major source of _____.
 - a) carbohydrate
 - b) protein
 - c) vitamin
 - d) all of these
7. Which of the following will NOT be attracted by a magnet?
 - a) Cobalt
 - b) Iron
 - c) Gold
 - d) Steel
8. In Fig., at which point will an iron nail experience the maximum magnetic force?



a) A

b) B

c) C

d) D

9. Which does the physical quantity 'volume' refer to?
 - a) The length of an object
 - b) The mass of an object
 - c) The space an object takes up
 - d) The time an event takes
10. Which of the following is an example of a traditional unit of measurement?
 - a) Metre
 - b) Kilogram
 - c) Cubit
 - d) Second
11. The motion of a _____ is an example of random motion.
 - a) clock's hand
 - b) giant wheel
 - c) housefly
 - d) spinning top
12. Which of the following objects shows curvilinear motion?
 - a) A stone dropped from a tower
 - b) A ball thrown at an angle
 - c) A ball rolling on a straight road
 - d) The blades of a moving fan
13. Which of the following is an example of periodic motion?
 - a) Earth rotating on its axis
 - b) A butterfly flying around
 - c) Batsmen running between the wickets
 - d) Trees swaying in the wind
14. Which of the following best describes the purpose of classification?
 - a) To make objects look similar
 - b) To organise objects based on common characteristics
 - c) To change the properties of materials
 - d) To create new materials
15. Which of the following is lustrous?
 - a) Iron key
 - b) Wooden table top
 - c) Pillow cover
 - d) Potato chips
16. What property of a material determines how much light passes through it?
 - a) Mass
 - b) Solubility
 - c) Transparency
 - d) Texture

The following question consists of two statements – **Assertion (A)** and **Reason (R)**.

Answer these questions by selecting the appropriate option given below:

- 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 are exactly the same.
 18. **Assertion (A):** A balanced diet contains all the nutrients in the right amounts.
Reason (R): Our body needs different nutrients to grow, repair, and stay healthy.
 19. **Assertion (A):** Magnets attract objects made of iron.
Reason (R): Iron is a magnetic material.
 20. **Assertion (A):** The SI unit of length is the metre (m).
Reason (R): The metre is accepted as the standard unit of length worldwide.

SECTION- B

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

SECTION- C

27. What is science? Explain its importance in our daily life.
28. What are shrubs? Give two examples.

OR

Differentiate between taproot and fibrous root systems.

29. What are the three main groups of food based on the nutrients present in them?
30. Differentiate between magnetic and non- magnetic materials.
31. What are physical quantities? Name any three physical quantities.
32. Differentiate between circular motion and rotational motion Support your answer with suitable examples.
33. Define classification. Give an example from your daily life where classification is useful to you.

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

3. 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
3. 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

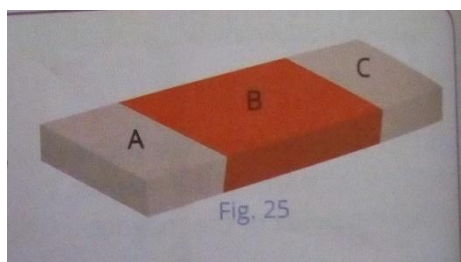
OR
3. A cotton cloth and a glass bottle are made of different materials. State two differences in their properties. 2

SECTION-E

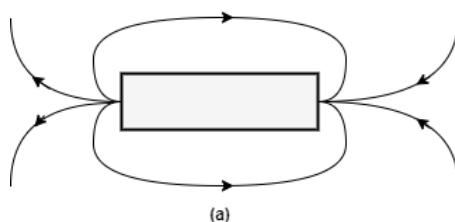
37. Explain why a magnet always rests in the north- south direction when suspended freely.

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) The magnetic field lines of a bar magnet are shown in Fig. (a). Identify and mark the poles of the magnet.



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

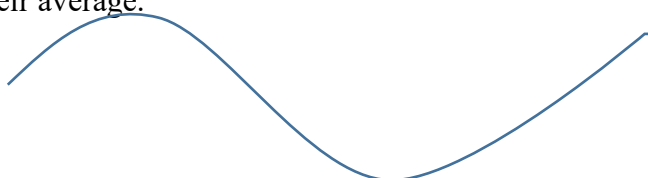
OR

- 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

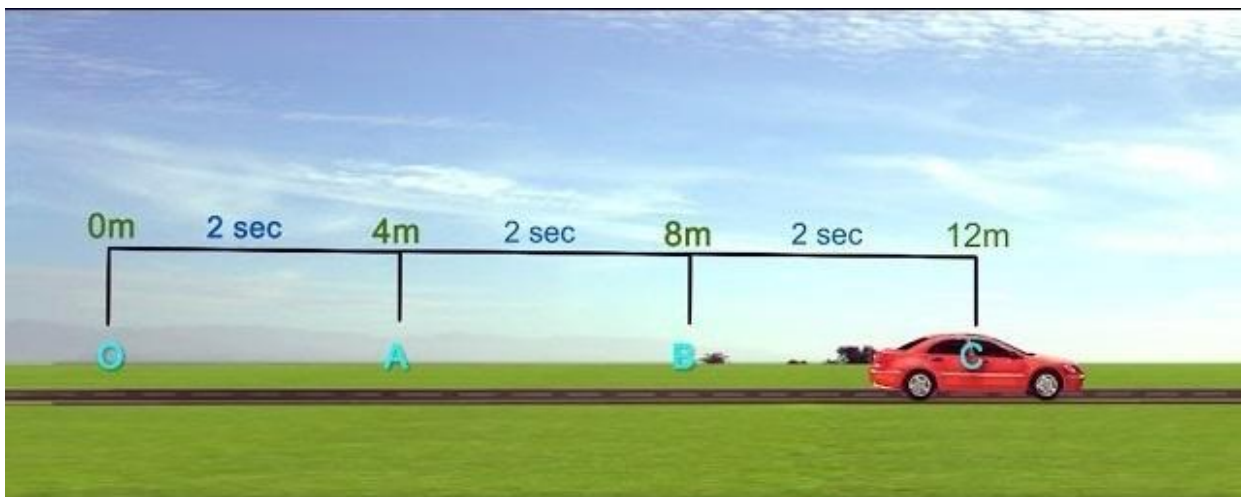
- (a) Girl A is sitting in a moving train that passes by a platform as shown in Fig. 3.3, is she in

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*****