B.K. BIRLA CENTRE FOR EDUCATION

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

TERM-1 (2025-26)
SCIENCE

Class: VI   Time: 3 hours

Date: 10/09/'25   Max Marks: 80

Admission no: Roll no:

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

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SECTION- A

1. Photosynthesis in a cactus is performed by the_____.   1

    (a) Stem   (b) Leaves   (c) Spines   (d) Root

2. Which of the following does NOT live in a terrestrial habitat?   1

    (a) Bird   (b) Frog   (c) Monkey   (d) Fish

3. Which of the following is a traditional cooking practice?   1

    (a) Microwave oven   (b) Gas stove   (c) Electric grinder   (d) Chulha

4. Meat is a major source of_____.   1
    (a) Carbohydrate   (b) Protein   (c) Vitamin   (d) Mineral

5. Which of the following is a protective food?   1
    (a) Pulse   (b) Oil   (c) Fruit   (d) Cereal

6. Which of the following will NOT be attracted by a magnet?   1
    (a) Gold   (b) Iron   (c) Steel   (d) Cobalt

7. Which of the following is a property of magnets?   1
    (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. When a magnet is broken into three pieces, there will be a total of_____ poles.   1
    (a) Two   (b) Six   (c) Eight   (d) Four

9. Which of the following is an example of a traditional unit of measurement?   1
    (a) Metre   (b) Kilogram   (c) Second   (d) Cubit

10. A tailor needs to measure the length of a person's waist for a dress. Which tool is most appropriate?   1
    (a) Ruler   (b) Measuring tape   (c) Weighing scale   (d) Sundial

11. Which physical quantity is measured using a weighing scale?   1
    (a) Time   (b) Volume   (c) Mass   (d) Length

12. Which of the following is NOT a unit of speed?   1
    (a) km/h   (b) m/s   (c) s/m   (d) cm/s

13. If a motorbike covers a distance of 60 km in 2 h, what is its speed in km/h?   1
    (a) 60   (b) 120   (c) 30   (d) 10

14. The motion of a _____ is an example of random motion.   1
    (a) Housefly   (b) Clock's hands   (c) Giant wheel   (d) Spinning top

15. Which of the following is lustrous?   1
    (a) Iron key   (b) Wooden tabletop   (c) Pillow cover   (d) Potato chips

16. Which of the following materials is NOT soluble in water?   1
    (a) Sugar   (b) Chalk   (c) Lemon juice   (d) Salt

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) Climbers are plants that take support of neighbouring structures.   1
    Reason (R) Climbers have weak stems.

18. **Assertion** (A) Vitamins are required in very small quantities and protect our body against diseases.   1
    Reason (R) They provide energy.

19. **Assertion** (A) There is only one pole of bar magnet.   1
    Reason (R) A magnet has North (N) and South (S) pole.

20. **Assertion** (A) For measuring the length (L) of an object, choose an appropriate device.   1
    Reason (R) We can measure the length (L) of a curved line directly by using a meter scale.

SECTION- B

21. Name two examples of animals found in a grassland habitat.   2

22. Students to attempt either option **A or B.**   2

    A. Give two sources of vitamin E.

            OR

    B. Name two diseases that can be caused by the deficiency of minerals in our body.

23. Differentiate between magnetic and non-magnetic materials.   2

24. Name two standard units of length.   2

25. Define: (i) Curvilinear motion   and   (ii) Periodic motion   2

26. Give an example of a fruit that has a rough surface and one that has a smooth surface.   2

SECTION- C

27. What are shrubs? Give two examples.   3

28. Write a note on cooking practices that help prevent the loss of nutrients from food.   3

29. What are water-soluble vitamins? Write any two characteristics of it.   3

30. Explain how we can store bar magnets and horseshoe magnets to avoid
    self- demagnetisation.   3

31. **Attempt either option A or B**   3
    A. Name the multiples or submultiples of 'metre' that will be convenient to express the
       lengths given below.
    (a) The length of a district park
    (b) The length of your textbook
    (c) The distance between Mumbai and Chennai

            OR
  B. Complete the following:
    (a) 1 hour =_____secs

(b) 23 m = _____mm

(c) 7,000 m = _____km

32. Distinguish between uniform motion and non-uniform motion. Give suitable examples.   3

33. Define transparency. Explain how materials can be classified based on their transparency. 3

SECTION- D

34. Read the following and answer the questions-   4

    Science is everywhere. From the depths of the ocean to the vastness of outer space, from what is cooking in the kitchen to what is happening on the playground, some of the most ground breaking discoveries have often come from unexpected places.

Even in daily life, we unknowingly apply science—whether it is mixing ingredients in the kitchen, finding out why a pen stops writing, or repairing a bicycle.

 (i)   Where can we find science around us?

 (ii)   Give one example of science used in the kitchen.

 (iii)   What is the main idea of the passage?

            OR

(iii) What is one surprising fact about scientific discoveries?

35. Read the following and answer the questions-   4
    Aman's school organized a health awareness week. During the session, a dietician explained the importance of including a variety of foods in our daily meals. He said that many children skip breakfast, eat packaged snacks, and often don't drink enough water. Aman realized that her daily meals mostly consisted of noodles and chips.

 (i)   What do we call meals that include all essential nutrients in the right amount?
 (ii)   Mention one harmful effect of eating only packaged snacks

 (iii)   Why is skipping breakfast considered unhealthy?
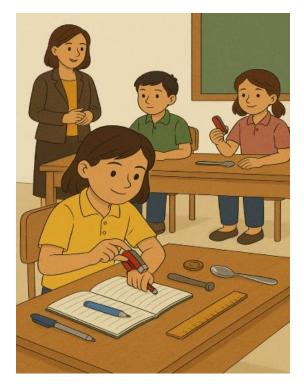
            OR

(iii) Name two healthy food items Aman could include in her breakfast.

36. Read the following and answer the questions-   4
    In a classroom activity, Reena and her classmates were given small magnets and asked to test different objects like a plastic pen, iron nail, copper coin, steel spoon, and a wooden ruler. Reena noted that the magnet only attracted the iron nail and steel spoon.

(i) What type of materials are attracted by magnets?
(ii) Why was the wooden ruler not attracted by the magnet?

(iii) Write any two uses of magnets in everyday life.

OR

(iii) Name two magnetic and two non-magnetic materials from the passage?

SECTION-E

37. **Attempt either option A or B.**   5

   A. i) Explain the three main causes of observational errors while measuring length.
      ii) Convert the following lengths into metres:
        a) 13 km
        b) 21,000 mm

OR

   B. i) Which of these is a greater length-8 km or 8,000 dm?
      ii) Write any two ways in which you use measurements in your daily life.

38. **Attempt either option A or B.**   5

   A. Explain any five types of motion based on the path taken by the object.

OR

B. (i) Distinguish between speed and average speed. Give suitable examples.

   (ii) Define: a) Oscillation.
                    b)Time period.

39. **Attempt either option A or B.**   5

   A.   i) Classify the following objects as transparent, translucent, or opaque:
            magnifying glass, wooden table, oiled paper, glass windowpane,
            handkerchief , metal door.

         ii) Marble floors are usually more slippery than carpeted floors. Which property of
         marble makes it more slippery than carpets?

                        OR

   B. (i) Observe the given image and answer the following questions:

         (a) Which material is the bed made of?

         (b)   What property of the material makes it suitable? (any two)

   (ii) Dhruv, a grade 6 student, feels hungry and decides to have some soup. He looks for a
   spoon in the kitchen, and not finding one, he decides to make a spoon using a piece of
   paper. Do you think Ravi can drink soup using a paper spoon? Justify your answer and
   suggest another material Ravi can use to make the spoon.

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