Science

Practice Sample Paper – 1
(Session 2026–27)
(Class 6)

Time: 2 Hours 30 Minutes **Maximum Marks: 60**

General Instructions:

1. All questions are compulsory.
2. This question paper consists of Sections A, B, C, D and E. Marks are indicated against each question.
3. Section A (Q.No. 1, I-XII) consists of multiple-choice questions.
4. Section B (Q.No. 2-5) consists of very short answer questions of 2 marks each.
5. Section C (Q.No. 6-8) consists of short answer questions of 3 marks each.
6. Section D (Q.No. 9-11) consists of long answer questions of 5 marks each.
7. Section E (Q.No. 12-15) consists of case/source-based questions of 4 marks each.
8. There is no overall choice. Internal choice is provided in some questions.

Section A

1. From Question I-XII, choose the correct option. Each question carries 1 mark.

I. Which statement best describes science? **[1]**

A) Memorising facts only
B) Asking questions and finding evidence
C) Guessing without testing
D) Avoiding observations

II. Which feature is common to all living organisms? **[1]**

A) They are green
B) They need food
C) They can fly
D) They live on land

III. Observe the leaf shown below. Which type of venation is represented? **[1]**

A) Parallel
B) Reticulate
C) No venation
D) Circular

IV. Which food is a rich source of protein? **[1]**

A) Pulses
B) Sugar
C) Butter
D) Rice

V. Which nutrient mainly provides energy to the body? **[1]**

A) Carbohydrates
B) Vitamins
C) Minerals
D) Water

VI. Observe the magnets shown below. What will happen when the facing poles are brought closer? **[1]**

A) They attract
B) They repel
C) Nothing happens
D) Both lose magnetism

VII. Which is the SI unit of length? **[1]**

A) centimetre
B) kilometre
C) metre
D) millimetre

VIII. A child moves to and fro on a swing. This is an example of: **[1]**

A) Linear motion
B) Circular motion
C) Oscillatory motion
D) Random motion

IX. Which material is transparent? **[1]**

A) Clear glass
B) Cardboard
C) Wood
D) Stone

X. Which substance is soluble in water? **[1]**

A) Sand
B) Salt
C) Sawdust
D) Chalk powder

XI. Which pair contains only magnetic materials? **[1]**

A) Iron and steel
B) Wood and iron
C) Plastic and steel
D) Rubber and glass

XII. Which practice shows mindful eating? **[1]**

A) Taking more food than needed
B) Skipping all meals
C) Taking a balanced amount and avoiding waste
D) Eating only packaged snacks

Section B

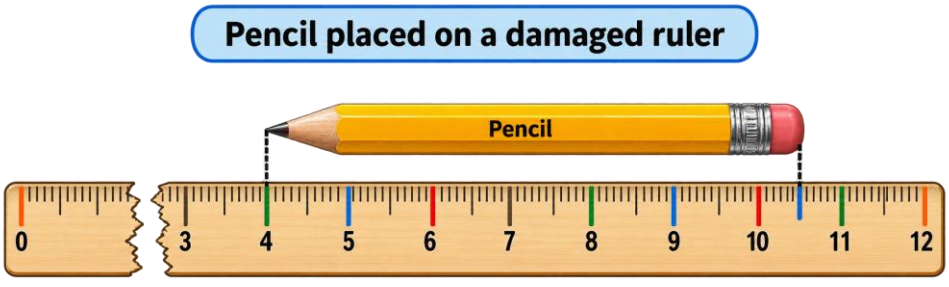
2. Attempt either (A) or (B). **[2]**

A. Write any two characteristics that help us identify a living organism.

OR

B. Differentiate between herbs and shrubs using one feature and one example.

3. Study the ruler and pencil shown below. The pencil begins at the 4 cm mark and ends at the 10.5 cm mark. Calculate its length and state the correct method used when the zero mark of a ruler is damaged. **[2]**



4. Why is a balanced diet important? Mention any two benefits of including different food groups in daily meals. **[2]**

5. State the rule of attraction and repulsion between the poles of magnets. Give one example for each. **[2]**

Section C

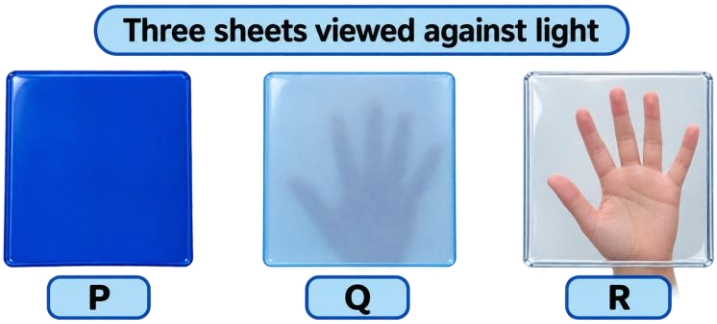
6. Attempt either (A) or (B). **[3]**

A. Explain the relationship commonly observed between leaf venation and the type of root system in plants. Give one example of each type.

OR

B. How can you distinguish a taproot system from a fibrous root system? Give suitable examples. **[3]**

7. Observe sheets P, Q and R shown below. P allows most light to pass, Q allows some light to pass and R blocks light. Classify P, Q and R as transparent, translucent or opaque, and give one everyday example of each category. **[3]**



8. A student measures the same desk using a hand span and then using a metre scale. Explain why the two methods may give different results and why standard units are necessary. **[3]**

Section D

9. A student has the following food items: chapati, dal, spinach, curd and an orange. **[5]**

(a) Identify one major nutrient supplied by chapati and dal. (2)

(b) State one benefit of eating spinach or orange. (1)

(c) Explain why this combination is closer to a balanced meal than eating only chips and a soft drink. (2)

10. A bar magnet is hidden under a sheet of paper and iron filings are sprinkled over the paper.

(a) Where will most iron filings collect? (1)

(b) What does this activity indicate about the strength of a magnet at different regions? (2)

(c) State two precautions for storing magnets so that they do not lose magnetism easily. (2)

11. Attempt either (I) or (II). **[5]**

(I) A classroom contains a glass window, wooden desk, steel spoon, cotton cloth and plastic bottle. Classify these objects using any three properties of materials and explain why grouping materials is useful. **[5]**

OR

(II) Explain any three types of motion with one suitable example of each. Also state two situations where measuring distance accurately is important.

Section E

12. Rohan notices that one plant in the school garden has broad leaves with a net-like pattern of veins and another has long narrow leaves with veins running side by side. He carefully observes their roots without damaging the plants. **[4]**

(a) Name the two types of leaf venation described. (1)

(b) Which root system is generally associated with the net-like venation? (1)

Attempt either (c) or (d). (2)

(c) Give two examples of plants showing parallel venation.

OR

(d) State two features that can be used to group plants.

13. Meera's lunch contains rice, pulses, vegetables and curd. She takes only as much as she can eat and carries the meal in a reusable box. **[4]**

(a) Which nutrient is mainly supplied by rice? [1]

(b) Which food item in her lunch is a good protein source? [1]

Attempt either (c) or (d). [2]

(c) Give two reasons why Meera's lunch habit can be called mindful eating.

OR

(d) Suggest two ways to reduce food waste at home.

14. Observe the pendulum shown below. Its bob repeatedly moves from one side to the other and back again. **[4]**

(a) Name the type of motion shown. [1]

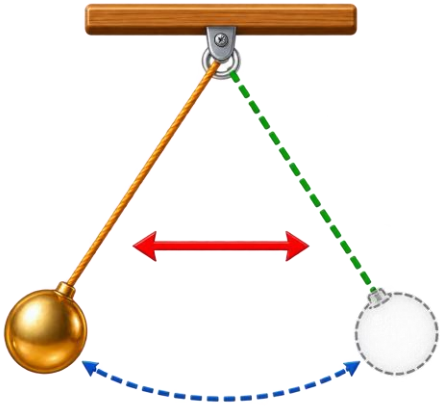
(b) Is this motion repeated about a mean position? [1]

Attempt either (c) or (d). [2]

(c) Give two other examples of this type of motion.

OR

(d) Differentiate between following motion and linear motion using one example of each.



Motion of a pendulum bob

15. During a materials activity, students test a steel key, wooden block, clear glass sheet and cotton cloth. **[4]**

(a) Which object is likely to be attracted by a magnet? [1]

(b) Which object is transparent? [1]

Attempt either (c) or (d). [2]

(c) Name two properties, other than transparency and magnetism, that can be used to group materials.

OR

(d) Why are different materials chosen for making different objects? Give two reasons.