

POOJA MODEL SCHOOL

HALF-YEARLY WORKSHEET – SCIENCE

Class: VI | Maximum Marks: 60

Syllabus: Ch. 1 The Wonderful World of Science; Ch. 2 Diversity in the Living World; Ch. 3 Mindful Eating: A Path to a Healthy Body; Ch. 4 Exploring Magnets; Ch. 5 Measurement of Length and Motion; Ch. 6 Materials Around Us; Ch. 11 Nature's Treasures.

Name: _____	Class & Section: _____
Roll No.: _____	Date: _____

General Instructions: Attempt all questions. Read each question carefully. Draw neat and labelled diagrams wherever required. Write answers in complete sentences.

Section A – Objective Type Questions (15 × 1 = 15 marks)

1. Which of the following is an important part of scientific investigation? (a) Guessing without observation (b) Asking questions (c) Ignoring evidence (d) Copying answers
2. Which characteristic is commonly used to group living organisms? (a) Colour of surroundings (b) Food habits and body features (c) Size of houses (d) Place where they are kept
3. Which nutrient is mainly responsible for growth and repair of the body? (a) Carbohydrates (b) Proteins (c) Fats (d) Water
4. A magnet has maximum attraction at its: (a) Centre (b) Poles (c) Middle surface (d) Entire body equally
5. The SI unit commonly used for measuring length is: (a) Kilogram (b) Litre (c) Metre (d) Second
6. An object that changes its position with time is said to be in: (a) Rest (b) Motion (c) Shape (d) Measurement
7. Which of the following is a transparent material? (a) Wood (b) Cardboard (c) Clear glass (d) Stone
8. Which of the following is a natural resource? (a) Plastic (b) Water (c) Cement (d) Nylon
9. Which solution is used to test starch in food? (a) Iodine solution (b) Salt solution (c) Soap solution (d) Sugar solution
10. A freely suspended bar magnet generally comes to rest in the: (a) East-West direction (b) North-South direction (c) Up-down direction (d) Any direction
11. Which instrument is most suitable for measuring the length of a pencil? (a) Measuring tape (b) Ruler (c) Weighing balance (d) Thermometer
12. Which of the following is attracted by a magnet? (a) Iron (b) Wood (c) Plastic (d) Paper
13. Which is a good habit of mindful eating? (a) Eating very quickly (b) Eating while distracted (c) Chewing food properly (d) Skipping meals regularly
14. Forests are important because they: (a) Reduce biodiversity (b) Provide habitat to many organisms (c) Increase pollution (d) Waste water
15. True or False: A scientific conclusion should be based on observations and evidence.

Section B – Very Short Answer Questions (5 × 2 = 10 marks)

16. What is observation? Why is it important in science?
17. Write any two characteristics that can be used to classify living organisms.
18. What is a balanced diet? Mention any one benefit of eating a balanced diet.
19. What are magnetic materials? Give two examples.
20. What is motion? Give one example of a moving object.

Section C – Short Answer Questions (5 × 3 = 15 marks)

21. Differentiate between living and non-living things on the basis of any three characteristics.

22. Explain why we should include different types of food in our daily diet. Mention any three nutrients and their functions.

23. (a) What are the poles of a magnet? (b) What happens when two like poles are brought close together? (c) What happens when unlike poles are brought close together?

24. Explain any three precautions that should be taken while measuring the length of an object using a ruler.

25. Materials around us have different properties. Explain any three properties used to distinguish materials, with one example for each.

Section D – Competency-Based Questions (3 × 4 = 12 marks)

26. **Read the situation:** Riya observed that a plant kept near a window was growing towards the light. She discussed her observation with her teacher and decided to investigate whether plants need light for healthy growth. (a) What did Riya first make? (b) Why is observation important? (c) What could be changed in her investigation? (d) What should she record?

27. **Read the situation:** A student has a mixture of iron pins, wooden pieces, paper clips and small plastic beads. He wants to separate the iron pins. (a) Which property of iron can be used? (b) Which object can be used? (c) Why will wooden pieces not be attracted? (d) Name one more magnetic material.

28. **Read the situation:** A family repairs leaking taps, collects rainwater and avoids wasting water while washing vehicles. (a) Why is water a natural resource? (b) Give one reason to conserve water. (c) Mention one way of conserving water at home. (d) What may happen if natural resources are used carelessly?

Section E – Case Study / Application-Based Questions (2 × 4 = 8 marks)

29. **Food and Health:** Aarav usually eats chips and sugary drinks during his school break. His teacher explains that the body needs different nutrients for energy, growth and proper functioning. Aarav decides to include fruits, vegetables, pulses, cereals and adequate water in his diet. (a) Which nutrient mainly provides energy? (b) Name one protein-rich food. (c) Why are fruits and vegetables important? (d) Write one mindful eating habit.

30. **Nature's Treasures:** A village is surrounded by forests, ponds and fertile land. The villagers depend on these natural resources. They decide to protect the forest and avoid unnecessary wastage of water. (a) Name any two natural resources. (b) How do forests support living organisms? (c) Why should natural resources be conserved? (d) Suggest one step to protect the surroundings.

Teacher's Signature: _____ Parent's Signature: _____