



B.K. BIRLA CENTRE FOR EDUCATION

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

PERIODIC TEST-1 2026-27 SCIENCE (SET-1)

Class: VIII
Date: 15.06.26
Admission no:

Time: 1 hours
Max Marks: 25
Roll no:

General Instructions:

- (i) This question paper consists of 13 questions in 3 sections. Section A is Biology, Section B is Chemistry and Section C is Physics.
(ii) All questions are compulsory.

		Marks
<u>Section-A (Biology)</u>		
1	Who first used the term 'cell' after observing a cork under a microscope? a) Antonie van Leeuwenhoek b) Robert Hooke c) Louis Pasteur d) Robert Koch	1
2	Which of the following is the control centre of the cell? a) Cytoplasm b) Cell wall c) Nucleus d) Vacuole	1
3	What is a cell, and why is it called the basic unit of life?	2
4	How are cells and microorganisms related? Give an example.	2
5	Differentiate between plant cells and animal cells.	3

Section-B (Chemistry)

6	How are particles arranged in a gas? a) Closely packed together b) Spread far apart and move freely c) Close together but able to slide past each other d) Fixed in one position	1
7	Which term describes a pure substance that consists of only one type of atom? a) Element b) Mixture c) Solution d) Compound	1
8	How do the arrangement and movement of particles differ in solids, liquids, and gases?	3

- 9 What steps should be followed to conduct a scientific investigation that ensures a fair test? 3

Section-C (Physics)

- 10 What is the function of a switch in an electric circuit? 1
(a) To produce electricity
(b) To store electricity
(c) To open or close the circuit
(d) To increase current
- 11 Explain why a freely suspended magnetic needle of a compass always points in the north–south direction. What happens when a magnet is brought near the compass? 2
- 12 Define the following terms: 2
a. Source of electricity b. Electric switch
- 13 Draw and label the diagram of electromagnet. Explain it's working. 3

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