



# 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-2)

Class: VIII  
Date: 15.06.26  
Admission no:

Time: 1 hour  
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
<b><u>Section-A (Biology)</u></b>		
1	Which of the following is present only in plant cells and provide rigidity? a) Nucleus b) Cell wall c) Vacuole d) Cell membrane	1
2	Which organelle in plant cells captures sunlight for photosynthesis? a) Chloroplast b) Vacuole c) Cytoplasm d) Ribosome	1
3	List the levels of biological organisation in the human body, starting from the smallest unit.	2
4	Name two organelles in a plant cell and their functions.	2
5	What are the differences between unicellular and multicellular organisms?	3
<b><u>Section-B (Chemistry)</u></b>		
6	Which gas contributes most to the greenhouse effect and global warming? a) Oxygen b) Carbon dioxide c) Nitrogen d) Helium	1
7	Water (H <sub>2</sub> O) belongs to which category of substances? a) Element b) Mixture c) Compound d) Solution	1
8	A) What distinguishes a pure substance made of one type of atom from one made of chemically combined elements B) What is an Acid ?	3

9 In what ways can microorganisms be beneficial as well as harmful to humans 3

**Section-C (Physics)**

10 A freely suspended magnetic needle always points in the: 1  
(a) East–West direction  
(b) North–South direction  
(c) Up–Down direction  
(d) Random direction

11 What happens when a magnet is brought near a compass needle? Explain it with the help of diagram. 2

12 Explain what happens to the compass needle when the switch is OFF and when it is turned ON. Give reasons for the change observed. 2

13 What is electromagnet? Write it's any two applications. 3

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