



B.K. BIRLA CENTRE FOR EDUCATION

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



PERIODIC TEST-I 2026-27

SCIENCE

SET-I

Class: IX

Date: 16.06.25

Admission no:

General Instructions:

i. This question paper consists of 13 questions in 3 sections.

ii. Section A, Biology of 9 marks.

iii. Section B, Chemistry of 8 marks.

iv. Section C, Physics of 8 marks.

Time: 1hour

Max Marks: 25

Roll no:

Section A (Biology)		
1.	Which of these is not related to endoplasmic reticulum? a) It behaves as transport channel for proteins between nucleus and cytoplasm b) It transports materials between various regions in cytoplasm c) It can be the site of energy generation d) It can be the site for some biochemical activities of the cell	1
2.	Cell theory was given by: a) Schleiden and Schwann b) Antonie van Leeuwenhoek c) Robert Hooke d) Haeckel	1
3.	Differentiate between: a) Plant cell and Animal cell b) Diffusion and Osmosis	2
4.	Explain the structure of a nucleus with the help of a diagram.	2
5.	What will happen if a plant cell is placed- a) In a hypotonic solution b) In a isotonic solution c) In a hypertonic solution	3
Section B (Chemistry)		
6.	Which state of matter has a definite volume but no definite shape? a) Solid b) Liquid c) Gas d) Plasma	1
7.	Which of the following has the highest intermolecular force of attraction? a) Water b) Oxygen c) Sugar d) Iron	1
8.	With the help of an activity show that particles of matter are extremely small.	3
9.	a) A wooden table should be called a solid, Give reason.	3

	b) Write the full form of CNG and LPG c) Convert : 213 °C into Degree Kelvin	
Section C (Physics)		
10.	Which of the following is most likely not a case of uniform circular motion? (a) Motion of the earth around the sun (b) Motion of a toy train on a circular track (c) Motion of a racing car on a circular track (d) Motion of hours' hand on the dial of a clock	1
11	An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.	2
12.	A farmer moves along the boundary of a square field of 10 m in 40 s. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds from his initial position?	2
13.	Draw a distance time graph of an object under uniform motion. Using the graph, explain how you can calculate the speed of the object at any time.	3

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