



# 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-II

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: 1 hour

Max Marks: 25

Roll no:

Section A (Biology)		
1.	Find out the correct sentence. a) Enzymes packed in Lysosomes are made through RER (rough endoplasmic reticulum) b) Rough endoplasmic reticulum and smooth endoplasmic reticulum produce lipid and protein respectively c) Endoplasmic reticulum is related with the destruction of plasma membrane d) Nucleoid is present inside the nucleoplasm of eukaryotic nucleus	1
2.	Cell arises from pre-existing cell was stated by: a) Haeckel b) Rudolf Virchow c) Robert Hooke d) Schleiden	1
3.	Differentiate between: a) Prokaryotic cell and Eukaryotic cell b) Unicellular organism and multicellular organisms	2
4.	Explain the structure of a nucleus with the help of a diagram.	2
5.	What will happen if an animal cell is placed- a) In a hypotonic solution b) In a isotonic solution c) In a hypertonic solution	3
Section B (Chemistry)		
6.	Which of the following is not a matter? a) Air b) Smell c) Humidity d) Light	1
7.	Which of the following will dry faster? a) A dish of water b) A bowl of water c) A bucket of water	1

	d) A puddle of water	
8.	Write the point of differences between the properties solid, liquid and gas.	3
9.	a) Water at room temperature is a liquid, Give reason. b) Write the full form of LPG and CNG. c) Convert : 127 °C into Degree Kelvin	3
Section C (Physics)		
10.	Which of the following statements is correct regarding velocity and speed of a moving body? (a) Velocity of a moving body is always higher than its speed (b) Speed of a moving body is always higher than its velocity (c) Speed of a moving body is its velocity in a given direction (d) Velocity of a moving body is its speed in a given direction	1
11	Write difference between speed and velocity. (Any Two)	2
12.	An object travels 16 m in 4 s and then another 16 m in 2 s. What is the average speed of the object?	2
13.	(i) When will you say a body is in (i) uniform acceleration? (ii) non uniform acceleration? (ii) A train starting from a railway station and moving with uniform acceleration attains a speed of 40 km h <sup>-1</sup> in 10 minutes. Find its acceleration.	3

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