



B.K. BIRLA CENTRE FOR EDUCATION

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

PRE-MID TERM TEST 2026-27

SCIENCE

SET-I

Class: IX

Date: 21.07.26

Admission no:

General Instructions:

- This question paper consists of 13 questions in 3 sections.
- Section A, Biology of 9 marks.
- Section B, Chemistry of 8 marks.
- Section C, Physics of 8 marks.

Time: 1hour

Max Marks: 25

Roll no:

	Section A (Biology)	
1.	Which of the following pairs of cell organelles contains DNA? (i) Chloroplasts, Ribosomes (ii) Mitochondria, Nucleus (iii) Golgi bodies, Ribosomes (iv) Nucleus, Lysosomes	1
2.	The kitchen of the cell is (a) mitochondria (b) endoplasmic reticulum (c) chloroplast (d) golgi apparatus	1
3.	Which organelle is known as the powerhouse of the cell? Why?	2
4.	Which phenomenon inhibits the formation of tumours in the human body? Can plants also develop tumours? Explain.	2
5.	Differentiate between mitosis and meiosis.	3
	Section B (Chemistry)	
6.	Which of the following is a pure substance? a) Milk b) Air c) Iron d) Salad	1
7.	A pure substance consisting of only one type of atom is called: a) A compound b) An element c) A mixture d) A solution	1
8.	a) Define "Tyndall effect" b) Write the properties of colloid.	3
9.	a) Define alloy with suitable examples. b) What are heterogeneous mixtures.	3

	Section C (Physics)	
10.	The rate of change of momentum of an object is proportional to (a) Mass of the body (b) Velocity of the body (c) Net force applied on the body (d) None of these	1
11.	Why is it advised to tie any luggage kept on the roof of a bus with a rope?	2
12.	State and explain Newton's second law of motion.	2
13.	A stone of 1 kg is thrown with a velocity of 20 m s^{-1} across the frozen surface of a lake and comes to rest after travelling a distance of 50 m. What is the force of friction between the stone and the ice?	3

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