



# **B.K. BIRLA CENTRE FOR EDUCATION**

**SARALA BIRLA GROUP OF SCHOOLS**  
**A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL**  
**POST-MIDTERM (2025-26)**  
**SCIENCE**



## Class: VIII

Duration: 1 Hr

Date: 13/01/2026

Max. Marks: 25

### General Instructions:

- i. This question paper consists of 12 questions in 3 sections.
- ii. Section A consists of 3 objective type questions carrying 1 mark each.
- iii. Section B consists of 5 Very Short questions carrying 02 marks each.
- iv. Section C consists of 4 Short Answer type questions carrying 03 marks each.

## Section A

1. The hormone responsible for the development of male secondary sexual characters is: (a) Estrogen (b) Insulin (c) Testosterone (d) Thyroxine 1

2. Which of the following objects cannot be charged easily by friction? (a) Woolen sweater (b) Wooden ruler (c) Copper wire (d) Plastic cup 1

3. A statement of Assertion is given, and a corresponding statement of Reason is given just below it. Of the statements, given below, mark the correct answer as:

(a) *Both assertion and reason are true, and reason is the correct explanation of assertion.*

(b) *Both assertion and reason are true, but reason is not the correct explanation of assertion*

(c) Assertion is true, but reason is false.

(d) Assertion is false, but reason is true.

**Assertion :** When the length of a wire is doubled, then its resistance also gets doubled.

Reason : The resistance of a wire is directly proportional to its length.

## Section B

4.	State the two types of charges that can be acquired by an object.	2
5.	Define:(a) Natural phenomena (b) Earthing	2
6.	What do you mean by the heating effect of electric current? Name any two devices that work on the heating effect of electric current.	2
7.	Draw the magnetic field lines around a straight conductor carrying a current in the upward direction	2
8.	What is adolescence? At what age does it usually begin?	2

## Section C

9. Draw a well-labelled diagram of an electroroscope. Write any one use of an electroscope. 3

10. Explain how an electromagnet works with the help of diagram. 3
11. Explain how hormones control the changes that occur during puberty. 3
12. What are the physical changes that boys and girls experience during adolescence? Explain any three. 3

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