



# 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

Date: 13/01/2026

Duration: 1 Hr

Max. Marks: 25

## General Instructions:

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

### Section A

- The hormone responsible for the development of male secondary sexual characters is: 1  
(a) Estrogen (b) Insulin (c) Testosterone (d) Thyroxine
- Which of the following objects cannot be charged easily by friction? 1  
(a) Woolen sweater (b) Wooden ruler  
(c) Copper wire (d) Plastic cup
- 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: 1  
(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

- State the two types of charges that can be acquired by an object. 2
- Define: (a) Natural phenomena 2  
(b) Earthing
- 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
- Draw the magnetic field lines around a straight conductor carrying a current in the upward direction 2
- What is adolescence? At what age does it usually begin? 2

### Section C

- Draw a well-labelled diagram of an electroscope. 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\*\*\*\*\*