



# B.K. BIRLA CENTRE FOR EDUCATION

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

Class: VIII

Date: 06 /08/2025

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

- Who discovered the microorganisms that cause tuberculosis? 1  
(a) Louis Pasteur (b) Robert Koch  
(c) Robert Hooke (d) Antonie Van Leeuwenhoek
- Which of the following surfaces will exert the least frictional force on an object moving across it? 1  
(a) Sandy beach (b) Brick wall  
(c) Wooden plank (d) Wet marble floor
- 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: A non-luminous flame is accompanied by heat but very little light.  
Reason: A blue flame is produced due to incomplete combustion.

### Section B

- Write the conditions necessary for combustion to take place. 2
- List the four types of combustion. 2
- Define frictional force. An object is sliding from east to west. What is the direction of the force of friction on the object? 2
- Explain why it is easier to drag a carpet when a single person is sitting on it than when four people are sitting on it. 2
- Think about the features of bacteria and algae and answer the following questions: 2  
(a) Write one way in which they are similar.  
(b) Write one way in which they are different.

Section C

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| 9.  | (a) Define ignition temperature.  | 3 |
|     | (b) Draw neat and labelled diagram to show the different zones of a candle flame.   |   |
| 10. | Differentiate between static friction and sliding friction. Give one example of each.   | 3 |
| 11. | Describe the role of lactobacilli in curd formation.  | 3 |
| 12. | Shristi bought a few food items, such as cashews, chillies, chicken, and milk, from her local market. Suggest some ways in which Shristi can preserve these food items and give reasons for your suggestions. | 3 |

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