



# BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS  
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL  
SCHOOL



PRE-MIDTERM (2024-25)

## SCIENCE

Class: VIII

Date: 02/08/'24

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

Select and write the most appropriate option out of the four options given for each of the questions 1 - 3.

- Which of the following is used in LPG cylinders? 1  
(a) Petroleum gas      (b) Naphtha      (c) Diesel      (d) Petrol
- 1 bar is equal to: 1  
(a)  $10^5$  Pa      (b)  $10^2$  Pa      (c)  $10^7$  Pa      (d) None of these

**Direction:** The question below consists of an Assertion (A) and a Reason (R). Use the following key to choose the appropriate answer. 1

- If both assertion and reason are correct and reason is correct explanation of the assertion.
- If both assertion and reason are correct, but the reason is not the correct explanation of the assertion.
- If assertion is correct, but reason is incorrect.
- If assertion is incorrect, but reason is correct.

3. **ASSERTION (A):** In your childhood, you must have been given some injections or oral liquid.

**REASON (R):** To protect yourself against several diseases.

### SECTION B

Question No. 4 to 8 are very short answer questions

- Name the different types of coal. 2
- What are hydrocarbons? Give two examples. 2
- A solid exerts a force of 200N. Calculate the pressure exerted by the solid on a surface, if the area of contact is  $100\text{cm}^2$ . 2
- Explain the variation of liquid pressure with the help of activity? 2
- Write four characteristics of Algae. 2

### SECTION C

**Question No. 9 to 12 are short answer questions**

9. (a) Name any two products that are formed in destructive distillation of coal. 3  
(b) What measures will you take in the conservation of fossil fuels?
10. Define one atmosphere. Explain how does Barometer work? 3
11. How are microorganisms useful to us and in what way they are harmful to us? 3
12. (a) Draw diagram of amoeba and label the parts. 3  
(b) What changes do you observe when a piece of bread is made wet by spraying water on it and kept in a warm place for a few days? Which microbe grows on it?

**\*\* Best of luck\*\***