



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

**PERIODIC TEST-2 2025-26**  
**SCIENCE**

Time: 1 hour  
Max Marks: 25  
Roll no:

- (i) This question paper consists of 13 questions in 3 sections. Section A is Biology, Section B is Chemistry and Section C is Physics.
- (ii) All questions are compulsory.

### Marks

- |   |  |   |
|---|--|---|
| 1 | Which of the following is not a mode of asexual reproduction?            | 1 |
|   | A. Budding   |   |
|   | B. Binary fission  |   |
|   | C. Fertilization   |   |
|   | D. Fragmentation   |   |
| 2 | Differentiate between external fertilisation and internal fertilisation. | 2 |
| 3 | Describe the process of fertilisation in humans.                         | 3 |
| 4 | Write three differences between viviparous and oviparous animals.        | 3 |

- |   |  |                     |
|---|--|---------------------|
| 5 | Which of the following is NOT an example of a greenhouse gas?                  | 1                   |
|   | (a) Carbon dioxide   | (b) Sulphur dioxide |
|   | (c) Oxides of nitrogen   | (d) Oxygen          |
| 6 | Write the calorific value of the following fuels.                              | 2                   |
|   | Fuel Calorific value (kJ/kg)   |                     |
|   | 1. Diesel _____  |                     |
|   | 2. Hydrogen _____  |                     |
|   | 3. Cow dung cake _____   |                     |
|   | 4. CNG _____   |                     |
| 7 | Name any four products obtained from the fractional distillation of petroleum. | 2                   |
| 8 | (a) Draw a neat and labelled diagram of the destructive distillation of coal.  | 3                   |
|   | (b) Define carbonisation.  |                     |

- 9 The following two questions consist of two statements – **Assertion** (A) and **Reason** (R). Answer these questions by selecting the appropriate option given below:
- A. Both A and R are true, and R is the correct explanation of A.  
B. Both A and R are true, and R is not the correct explanation of A.  
C. A is true but R is false.  
D. A is false but R is true.

**Assertion-** an image formed by a mirror, the left of the object appears on the right and the right appears on the left.

Reason- this has happened because of parallel inversion.

- |    |  |   |
|----|--|---|
| 10 | List two ways in which we can use a plane mirror.                                | 2 |
| 11 | What is reflection of light? Explain laws of reflection.                         | 2 |
| 12 | Differentiate between regular and irregular reflection with the help of diagram. | 3 |

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