



B.K. BIRLA CENTRE FOR EDUCATION

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



PERIODIC TEST-2 (2025-26) SCIENCE

Class: VII

Date: 07/11/25

Admission no:

Time: 1hour

Max Marks: 25

Roll no:

General Instructions:

- (i) This question paper consists of 12 questions in 3 sections. Section-A is Biology, Section-B is Chemistry and Section-C is Physics
- (ii) All questions are compulsory.

SECTION- A (Biology)

1. Which tissue is responsible for transporting water in plants? 1
(a) Phloem (b) Xylem (c) Cambium (d) Parenchyma
2. Differentiate between xylem and phloem. 2
3. Describe the structure and function of xylem and phloem in plants. 3
4. Describe how water and minerals absorbed by roots reach the leaves. 3

SECTION- B (Chemistry)

5. What is the purpose of treating wastewater? 1
(a) To remove the smell from the wastewater
(b) To add more pollutants to the water
(c) To increase the amount of wastewater produced
(d) To make it suitable for discharge into natural waterbodies
6. What are sewers? Which microorganism present in sewage causes cholera? 2
7. Give some of the harmful effects that sewage has on the environment. 2
8. Explain the sewerage system with a suitable diagram. 3

SECTION-C (Physics)

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.

9. **Assertion (A):** Bulb filament is made of tungsten. 1

Reason (R): The filament should have low melting point.

10. Define the following: 2

(a) Source of electricity.

(b) Electric current.

11. Differentiate between primary cells and secondary cells. 2

12. Draw the diagram of electric bulb. Explain its working. 3

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