



B.K. BIRLA CENTRE FOR EDUCATION

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

PERIODIC TEST-I 2026-27

SET-2

SCIENCE MARKING SCHEME

Class: X

Date: 13.06.25

Time: 1 hour

Max Marks: 25

Section A (Biology)

1. a) Carbon dioxide 1
2. c) Nephron 1
3. The blood passes through the heart twice in one complete cycle of the body- once through the right half in the form of deoxygenated blood and once through the left half in the form oxygenated blood. 2
4. a) Veins carry blood at low pressure back to the heart, so they don't need thick, muscular walls like arteries (which handle high pressure blood flow).
b) Transpiration helps in: Pulling water and minerals upward from roots (transpiration pull) Cooling the plant. 2
5. Plants excrete wastes by:
-Diffusion through stomata and lenticels (gases like oxygen, carbon dioxide).
-Storing wastes in leaves, bark, or fruits (which later fall off).
-Secreting substances like gums, resins, and latex. 3

Section B (Chemistry)

6. c) Hydrogen 1
7. b) $x=2$ $y=2$ $z=2$ 1
8. A. PbO
B. NO₂
C. O₂

Or

substance oxidised H₂

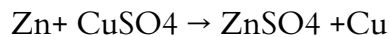
Reduced CO

oxidising agent CO

and reducing agent H₂

3

9. (i) More reactive metal displaces less reactive metal from the salt



(ii) Exchange of ions takes place $\text{BaCl}_2 + \text{Na}_2\text{SO}_4 \rightarrow \text{BaSO}_4 + 2\text{NaCl}$

3

Section C (Physics)

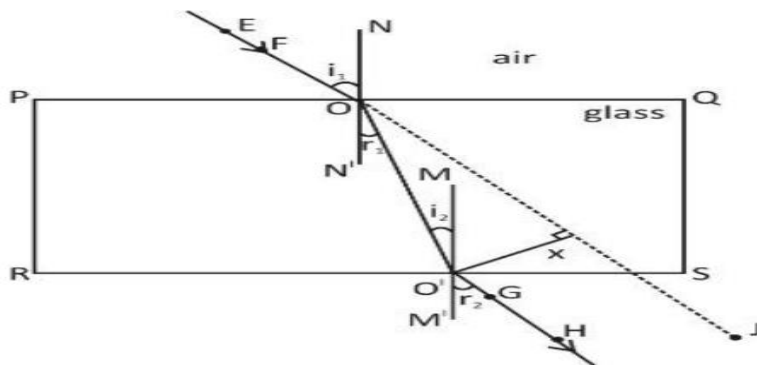
10. (d) All of these

1

11. (i) A real image is an image that can be projected onto a surface, such as a screen or a wall. A virtual image, on the other hand, cannot be projected onto a surface.

(ii) Real images are always inverted (upside down) compared to the object. Virtual images are always upright (right side up) compared to the object.

2



12.

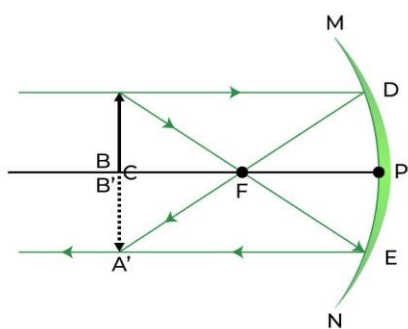
Lateral displacement is the perpendicular distance between the original path of an incident light ray and the path of the emergent ray after passing obliquely through a parallel-sided transparent medium, such as a glass slab

2

13. (i) 30 cm

(ii) Real and Inverted

(iii)



3

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