

St. JOHN'S RESIDENTIAL PUBLIC SCHOOL

Sona Gopalpur, Sampatchak, Patna – Gaya Highway, Patna – 7 <u>Pre – Mid Term Exam - I (2023 – 24)</u>

Grade: X		Date : / 05/ 23
Subject: SCIENCE	Max Marks: 25	Duration: 1 hr.
Name:		Roll:

[SECTION – A: CHEMISTRY]

 Define combination reaction. On what basis is a chemical reaction balanced? Correct and balance the chemical equation Ca + H₂O → CaOH + H 	[1] [1] [1]		
4. Why should magnesium ribbon is cleaned before burning in air?	[2]		
5. What is redox reaction? Identify the following reaction:i) the substance oxidised, andii) the substance reduced	[3]		
$ZnO + C \longrightarrow Zn + CO$			
[SECTION – B: BIOLOGY]			
1. Write the final sample product of the following:-	3x1=3		
a) Carbohydrate			
b) Protein			
•	[2]		
b) Proteinc) Fat	[2] [1]		
b) Proteinc) Fat2. Define digestion.	[1]		
b) Proteinc) Fat2. Define digestion.3. Write the name of the enzyme present in the saliva.	[1]		
 b) Protein c) Fat 2. Define digestion. 3. Write the name of the enzyme present in the saliva. 4. The process of engulfing the food in Amoeba with help of Pseudonal States (States 1) 	[1] lopodia is [1]		
 b) Protein c) Fat 2. Define digestion. 3. Write the name of the enzyme present in the saliva. 4. The process of engulfing the food in Amoeba with help of Pseud called 	[1] lopodia is [1]		

[SECTION – C: PHYSICS]

1. What is first law of reflection?	[2]	
2. What is difference between Real and Virtual image?	[2]	
3. What is Lateral Inversion?	[2]	
4. A ray of light is incident on a plane mirror making an angle of 90° with		
the mirror. Find the angle of reflection?	[1]	
5. What is Quantum theory of light?	[1]	