



**THE VILLAGE**  
INTERNATIONAL SCHOOL  
"We Nurture Dreams"

GRADE: IX	MT 2 (2023-24)	Marks: 20 Time: 50 minutes
Date:06/11/2023	SCIENCE	

Q.No.	Questions	Mark
	<b>Section A</b>	
	<b>Choose the correct answer</b>	
1	The formula of Ammonium Sulphate is _____. (a) $\text{NH}_4\text{SO}_4$ (b) $\text{NH}_4\text{SO}_2$ (c) $(\text{NH}_4)_2\text{SO}_4$ (d) $\text{NH}_2\text{SO}_4$	1
2	SI unit of power is  (a)KW      (b) W      (c) V      (d) J	1
3	The atomic symbol of Iron is_____. (a) I (b) Fe (c) Ir (d) Au	1
4	A battery lights a bulb. The sequence of energy transfer in the process is (a)electrical energy to heat and light (b)chemical energy to electrical energy and then heat and light (c)chemical energy to heat and light (d) chemical energy to light	1

5	The molecular mass of x is 106. x can be (a) $\text{CaCO}_3$ (b) $\text{SO}_3$ (c) $\text{Na}_2\text{CO}_3$ (d) $\text{NaCl}$	1
<b>Section B</b>		
<b>Answer The Following</b>		
6	What is meant by the term chemical formula? Write the chemical formula of the following. (a) Magnesium chloride (b) Calcium oxide (c) Copper nitrate (d) Aluminum chloride (e) Calcium carbonate	2
7	State the essential condition for work to be done	2
8	A lamp consumes 1000 j of electric energy in 10s .What is its power?	2
<b>Short Answer Questions</b>		
9	The kinetic energy of an object of mass m moving with a velocity of 5 m/s is 25 What will be its kinetic energy when its velocity is doubled. What will be its kinetic energy its velocity is increased three times?	3
10	Define molecular mass. Calculate the molecular masses of $\text{H}_2$ , $\text{O}_2$ , $\text{Cl}_2$ , $\text{CO}_2$ , $\text{CH}_4$ , $\text{C}_2\text{H}_6$ , $\text{C}_2\text{H}_4$ , $\text{NH}_3$ , $\text{CH}_3\text{OH}$ .	3
11	Define kinetic Energy. Derive the mathematical expression for kinetic energy	3