

CLASS:IX	<b>INDIAN SCHOOL MUSCAT THIRD PERIODIC TEST MARKING SCHEME</b>	SUBJECT: SCIENCE
	<b>SET - B</b>	
QP.NO.	VALUE POINTS	SPLIT UP MARKS
PHYSICS		
1.	Electrical energy to sound energy.	1
2.	Energy of an object is defined as its capacity for doing work. Power is the rate of doing work. Or energy consumed in unit time.	1 +1
3.	PE of water = $mgh = 2000 \times 10^3 \times 10 \times 20 \text{ J}$ Power = $4 \times 10^8 / 60 = 2/3 \times 10^7 \text{ W}$	1+1
4.	The work done by the gravitational force is zero. This is due to the reason that the force and displacement are perpendicular to each other .	1+1
CHEMISTRY		
5.	The number of atoms present in the molecule Atomicity of S =8(polyatomic)	1
6.	1g of hydrogen gas requires 8g of oxygen. Therefore, 5g of hydrogen gas require = $5 \times 8 = 40 \text{ g}$ of oxygen	1(step=1, ans=1) 1
7.	Atomic mass unit is equal to $1/12^{\text{th}}$ mass of 1 atom of C-12(1u) This means that an atom of oxygen is 16 times heavier as compared to $1/12^{\text{th}}$ mass of 1 atom of C-12(1u)	1 1
8.	(a) $\text{MgSO}_4$ (b) $\text{K}_2\text{CO}_3$ (b) it changes to a divalent anion $\text{A}^{2-}$	1 1
BIOLOGY		
9.		
10.		
11.		
12.		