HOLY MISSION HIGH SCHOOL

[Affiliated to C.B.S.E, Delhi, +2 Level] SAMASTIPUR - 848101

SAMA	STIPUR - 848101	
Std VII		F.M 80
Subject:- Science		Time: 2.30 hrs.
Section - A (Physics) - 25 Marks		
1. Match the given columns		5x1=5
Column 'A'	Column 'B'	
(a) S.I. unit of heat	(i) 4.186 J b	
(b) 1 calorie	(ii) Joule. o	
(c) 1 mile	(iii) $\frac{10}{36}$ m/s. $\frac{1}{6}$	
(d) 1 km/h	(iv) Instantaneous speed. @ ·	
(e) Speedometer	(v) 1.609 km. C	
2. Define speed. Give its S.I. unit		2
3. A car travels 240 km in 3 hours at	uniform speed. Express its spee	
(a) km/h (b) m/s (c) mph.		3
4. How will you determine the equivalent resistance in a parallel circ		uit? 4
5. Explain heating effect of electric current and discuss its application		n 4
6. Find the total current in the following parallel circuit.		2
$R_{3} = 15 \Omega$ $R_{2} = 10 \Omega$ $R_{1} = 6 \Omega$		
E 60	·	
7. Why are liquid and gases poor co.	nductors of heat	2
8. How will you determine the speed of a car moving on a road?		3_
Section - B (Chemistry) - 28 Marks		
1. Fill in the blanks:-		5x1=5
(a) h is a substance which helps in addition of oxygen.		
(b) Hydrochloric acid is commonly known asH.Cl		
(c) The cut surface of brinjal becomes black on exposure due to presence of . Nitric acid		
(d) The chemical formula of smel	ling salt is	1 A A
(e) Dibasic acids have too replace	able OHCH2	30 F