ATOMIC ENERGY CENTRAL SCHOOL NO. 3 RAWATB HATA PERIODIC TEST -I (2019-2020)

CLASS –X	SUB: SCIENCE	1 Time: 12 Hrs.	M.M: 40
	<u>CHEMI</u>	<u>STRY</u>	
i) Zinc Carbonate(hemical equation for the following: s)> Zinc Oxide(s) + Carbon e(aq) + Barium Chloride (aq)		(1) hloride(aq)
2. Explain with suitable example what is oxidation and reduction reaction.			(2)
3. What is rancidity?	Write two methods to prevent it.		(2)
-	ng with appropriate examples. action. ii) Displacement Reaction. iii)	Decomposition Reaction.	(3)
i) Name the substanceii) Write the reaction	extance X is used for white washing. EX and write its formula. of substance X with water ion considered an exothermic reaction	?Explain.	(5)
 2. What is the role of 3. What are the difference 4. Explain: Water and min Food transport How is oxygen and a) Draw a neat lab 	ent ways in which glucose is oxidized to neral transport in plants. rted in plants. carbon dioxide transported in human be celled diagram of human Heart.	n plants. To provide energy in various organisms	(1) (1) (2) (2) (3) (5)
b) Write short not	e on human excretory system. PHYS	<u>ICS</u>	
Q1 Define Ohm's law. Q2 Define resistivity. State the relation between the resistance of a conductor, it's resistivity, it's lea			(1) length and it's
area of cross sec		,	(2)
Q3 An electric moto	r takes 5A from a 220V line. Determin	e the power of the motor and the energ	
in 2 hours.			(2)
Q4 Explain three app (3)	olications of heating effect of current.		
Q5 (a) Derive the exp	ression for resultant resistance of the se	eries combination of three resistances	R_1 , R_2 and R_3 . (3)
(b) If the rating o	f an electric heater is 2KW-220V. Calc	culate:	(2)
(i) the curren	t drawn		

(ii) the resistance of the heater