SAHODAY SR. SEC. SCHOOL

II PERIODIC TEST (2017) ,SCIENCE CLASS X

	Time: 1.5 hrs Max Marks	: 30	
	PHYSICS		
	Q1. Define electric power. Give its formula in terms of current and resistance.	1	
	Q2. Explain why, the core of an electromagnet should be of soft iron and not of steel.	1	8
	Q3. Name the commercial unit of electrical energy consumed. State its relationship with joules.	1 1	
	Q4. Calculate the total energy consumed by two electric bulbs each rated 60 W, when they operate for 20 hours.	1	
	95. Three resistances of 3 ohms each are connected in parallel in the circuit. Draw the c diagram and calculate the total resistance of the circuit.	ircuit 2	¥.
/	Name any two factors on which the strength of the magnetic field produced by a cu carrying solenoid depends. How does it depend on these factors?	rrent 2	
	Q7. i) State Fleming's left hand rule. ii) Explain the principle of an electric generator.	2	
	CHEMISTRY		
(a. What will be the colour of the precipitate formed when you mix a. Lead nitrate and potassium iodide solution. Y who we preip it are b. Sodium sulphate and barium chloride solution.	1	
	22. What are Olfactory Indicators?	1	
/	98. What is corrosion?	1	
	Q4. Write two uses of Plaster of Paris .	1	
1	98. What are Decomposition reactions? Give one example.	1.5	
	Q6. What is the chemical name of Baking soda? How it is prepared?	1.5	6
/	Q7. How will you prepare sodium hydroxide by chlor alkali process ?	1.5	NO IN
1	What is pH? You have two solutions A and B .The pH of A is 6 and the pH of		/

Solution B is 10 . Which of these is acidic and which one is basic.

1.5

BIOLOGY

QI. Why is the use of iodized salt advisable?	1
OZ. Define synapse.	1
03. What is the range of normal systolic and diastolic blood pressure. 80 mm of Hg Which part of brain gives rise to spinal and	1
Q4. Which part of brain gives rise to spinal cord.	1
98. Draw a diagram of excretory unit of human kidney and label the following parts	2
a. Glomerulus b. Bowman's capsule c. Renal artery d. Collecting duct	
Q6. Write two differences between tropism and nastic movement in tabulated form.	2
Q7. Why is transpiration important for plants? It is important b	e @2.