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Grade: X	Subject : Science	Marks: 80
PRACTICE PAPER	Empower – 1	Time: 3 h

SECTION - A

	helps in activation of trypsin in small intestine.		
	Medulla is associated with Respiration. (True/False). What is biomagnification?		
<i>J</i> .	what is biomagnification:		
The	SERTION-REASON TYPE QUESTIONS If following questions consist of two statement: assertion (A) and reason (R). to answer these questions, mark the correct properties as directed below:		
A.	If both A and R are true and R is correct explanation of A.		
B .	If both A and R are true but R is not the correct explanation of A.		
C. D.	If A is true but R is false. If both A and R are false.		
D.	IJ voin A una K are jaise.		
4	ASSERTION: Lungs always contain residual volume of air.		
7.	REASON: It helps in efficient exchange of gases.		
5	ASSERTION: Ozone is both beneficial and damaging.		
٠.	REASON: Stop the use of CFC to protect ozone.		
6.	Sneezing is		
	Combination reaction is opposite of chemical reaction.		
	(a) Decomposition (b) Displacement (c) Double Displacement (d) None		
8.	All decomposition reactions are endothermic. True/False		
	Double displacement reaction is also known as reaction.		
	0. Acids reacts with metal to produce		
	(a) Carbon dioxide (b) H_2 (c) $CO_2 + H_2O$ (d) None		
11.	Which salt is has 5 molecules of water of crystallization?		
	(a) Blue vitriol (b) Baking soda (c) Washing soda (d) Gypsum		
12.	The chemical formula for Gypsum is		
13.	Chemical formula for iron rust is		
	The unit for Power is		
15.	Which of the following is an incorrect unit of Voltage?		
	(a) Nm/C (b) J/As (c) Js/A (d) W/A		
16.	The bi – directional cycle change in AC generated by an Electric Generator is due to		
17.	Fuse is made up of		
18.	Solar Cells are made of		
	Nuclear fusion generates more energy than nuclear fission. (TRUE / FALSE)		
20.	20. Why does Voltage remain same in parallel series.		

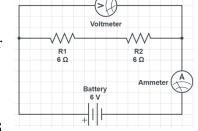
SECTION – B

- 1. What are the main parts of brain? What role do they play?
- 2. a. How plants perform transportation?
 - b. What are the two reactions of photosynthesis? Explain them.
- **3.** Draw the labeled diagram of human heart.

- **4.** a. How nastic movements differ from tropic movements?
 - b. What is phytohormone? Write their types.
- **5.** Explain food web with an example.
- **6.** Explain the importance of pH in everyday life.(atleast 3)
- **7.** What is neutralization reaction? Give two examples.
- **8.** What are alloys? Give two examples with their composition.
- **9.** Write a note on Electromagnetic Induction.
- 10. Write a note on Electric Power.

SECTION - C

- 1. Write a note on Electric Motor.
- **2.** (a) Define Joule's Heat.
 - (b) Write a note on Electric Power and define 1KWh.
 - (c) From the circuit, state what reading will the ammeter and the voltmeter show?
- **3.** Describe mechanism of human respiratory system with labeled diagram.
- **4.** (a) Define acid and base on the basis of physical properties. (atleast two points)
 - (b) Give the chemical equations for chemical properties of acids.(atleast 3 points).



- 5. A) Tabulate the secretion, location and function of thyroid gland, adrenal gland and thymus gland.
 - B) Explain feedback mechanism with example.