V9	S Virudhunagør District	
	Common Second Mid Term Test -	2023
Standard 9		
Tin	ne: 1.30 Hrs. SCIENCE	Marks: 50
I.	Choose the correct answer:	8×1=8
	1) In current electricity, a positive charge refers t	
	a) presence of electron b) presence	e of proton
	c) absence of electron d) absence	e of proton
	Which of the following converts electrical energy	y into mechanical energy?
	c) Concrat	or d) Switch
	3) Number of valence electrons in carbon is	
	a) 2 b) 4 c) 3 (1) Elements with $a + b = b$	d) 5
	4) Elements with stable electronic configurations have eight electrons in their valence shall. They are	
	valence shell. They are	
	a) halogens b) metals c) noble g	
	 Stomach of human beings mainly digests a) Carbohydrates b) Proteins c) Fat 	
	6) Acids turn blue litmus paper to	d) Sucrose
	a) green b) red c) orange	
	7) The structural and functional unit of the kidney	v is
	a) villi b) liver c) nephron	
	8) The nutrient required in trace amount to accomp	
	a) carbohydrate b) protein c) vitamin	d) fat
п.	Answer any 6 questions:	6×2=12
	[Question No. 10 is compulsory]	
	Define electric current and give its unit.	
10) If 25C of charge is determined to pass through a wire of any cross section in		
	50s, what is the measure of current?	
	11) State Fleming's Left Hand Rule.	
	12) Write a note on different types of bonds.	
	13) Write any four uses of acids.14) Definition of the second second	•
	14) Define aquaregia.15) Montion any two with 15	
	15) Mention any two vital functions of human kidne16) What is an adulterant?	ey.
	10) What is an additerant?	
ш	I. Answer any 4 questions:	
	[Question No. 19 is compulsory]	4×4=16
17) List the safety features while handling electricity.		
	18) Draw and label the diagram of an AC generator.	
	19) Find the oxidation number of the elements in th	
	(a) C in CO_2 (b) Mn in $MnSO_4$ (c) N in HNC	
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- 20) a) Write any two uses of bases.
 - b) Write any two uses of salts.
- 21) Explain the structure of nephron.
- 22) Differentiate:
 - a) Kwashiorkar from Marasmus
 - b) Macronutrients from Micronutrients

IV. Answer all questions:

23) a) Name any two appliances which work under the principle of heating effect of current.

2×7=14

b) Explain two types of transformer.

(OR)

List down the differences between Ionic and covalent compounds.

24) Describe the alimentary canal of man.

(OR)

How are vitamins useful to us? Tabulate the sources, deficiency diseases and symptoms of fat soluble vitamins.

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