

KSHATRIYA VIDHYASALAMATRIC. HR. SEC. SCHOOL Second Mid Term Exam November – 2024

SCIENCE

Time: 1.30Hours	Marks	s: 50	Std: IX	Reg.No.:					
I. Choose the correct answers.							[10×	1 = 10]
1) D :									
1) Resistance of a wire depends					15	11 .1			
a) temperature	b) geometry		c) nature of	material	d) a	II the	above	3	
2) Electroplating is an example f		CC .	\ C1 .	CC .	10				
, &	b) chemical e	effect	c) flowing	effect	d) m	nagne	etic eff	ect	
3) Rubbing of comb with hair	•		1).						
a) creates electric charge				electric charge					
c) Both A and B			d) None of	these					
4) Number of valence electron in						,			
a) 2	b) 4		c) 3		d) 5				
5) compounds hav									
a) Covalent.	b) Coordinate	e .	c) Ionic.		d) c	hemi	cal.		
6) Transformer works on					40.4				
a) AC only	b) DC only		c) Both AC		d) N	lone	of thes	se	
7) Which of the following conve		ergy int							
a) Motor	b) Battery		c) Generato		d) S	witch	.1		
8) Which one of the following su		a constit			_				
a) Urea	b) Protein		c) Water	d) Sa	alt				
9) The structural and functional				<u></u> .					
a) villi		c) nep	hron	d) ur	eter				
10) Bile helps in the digestion of _	·								
a) proteins	b) sugar	c) fats		d) carbohydr	ates				
II. Answer one or two sentences.	(any SEVEN)						[7 × 2	2 = 14]
11) Define electric field.									
	he movement o	f electro	on is called	curren	t.				
12) i) The direction opposite to t ii) The domestic electricity ii	n India is an ac	with a f	requency of	Hz.					
13) Name any two appliances wl									
14) Find the oxidation number o				_					
	b) Mn in Mn			L					
15) Explain Octet rule with an ex		•							
16) State Fleming's Left Hand R	-								
17) i) The opening of the stomac		tine is ca	alled	•					

- 18) What is micturition?
- 19) State whether true of false. If false, correct the statement.
 - (i) Nitric acid in the stomach kills microorganisms in the food.

ii) The longest part of alimentary canal is ______.

- (ii)During digestion proteins are broken down into amino acids.
- 20) Why do we sweat?

III. Answer in brief. (Any THREE)

 $[3 \times 4 = 12]$

- 21) i) State Ohm's law.
 - ii) Define magnetic flux density.
- 22) Fill in the following table according to the type of bonds formed in the given molecule. CaCl₂, H₂O, CaO, CO, KBr, HCl, CCl₄, HF, CO₂, Al₂Cl₆

Ionic bond	Covalent bond	Coordinate covalent bond		

- 23) Name the types of teeth present in an adult human being. Mention the functions of each.
- 24) Write about the functions of kidney.

IV. Answer in detail. (Any TWO)

 $[2 \times 7 = 14]$

- 25) i) List the safety features while handling electricity. (4)
 - ii) Differentiate step up and step down transformer. (3)
- 26) i) List down the differences between Ionic and Covalent compounds.(5)
 - ii) Complete the table give below (2)

Element	Atomic number	Electron distribution	Valance electrons	Lewis dot structure
Lithium	3			
Boron	5			

27) Describe the alimentary canal of man.