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Chemistry Paper : H		(New Scheme)		(INTER	(INTER PART II CLASS 12 th)(III) Objective					Time: 20 Minutes Marks: 17		
Code: 8485 Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct,												
	Note;	fill that circle in in zero mark in t	front of the	at question number	e question er with m	n as A, arker o	B, C and I or pen. Cut	D. The cho ting or filling	ice wh ng two	ich you think is co or more circles wi	rrect, ill result	
I. I.	Benze	ne cannot under										
	(A)	substitution	(B)	addition	1	(C)	oxio	lation	(D)	elimination		
2.	Elimination bimolecular reaction involves:											
	(A) first order kinetics (B) second order kinetics (C) 3 rd order kinetics (D) zero order							zero order kii	netics			
3.	. Alcohol obtained by the fermentation process never exceeds beyond:											
	(A)	14 %	(B)	10 %		(C)	16	%	(D)	95 %		
4.		es are prepared b		lation of								
		primary alcoho	935 304 506 60	secondary al		(C)		y alcohol	(D)	formaldehyd	e	
5.	Which	one of the follo	wing bind	s blood haemog	lobin m	ore str	ongly that	n oxygen.) [*]			
	(A)	СО	(B)	CO_2 .		(C)	NO	02	(D)	SO_2		
6.	Acetai	nide is prepared	by heati	ng								
	(A) a	mmonium acet	ate (B)	methyl cya	nide	(C)	of phth	alic acid	(D)	of ethyl acetar	te	
7	Which	one of these pol	iymers is a	synthetic poly	mer?							
	(A)	animal fat	(B)	starch		(C)	cel	lulose	(D)	polyester		
8.	Ammonium nitrate fertilizers is not used for which of the following crops.											
	(A)	cotton	(B)	wheat		(C)	suga	ircane	(D)	paddy rice	;	
9.	Newsp	paper can be recy	cled agair	and again by h	iow man	y time	es?					
	(Λ)	02	(B)	05		(C)		04	(D)	03		
10.		he correct statem										
	(A) n	(A) metallic character increases along a period (B) metallic character increases down the group										
	(C) m	etallic character	r decrease	es down the gr	oup (D) met	allic char	acter rem	ain th	e same in dowr	the group.	
11.	Which element is deposited at the cathode during electrolysis of brine in Nelson cell.											
	(A)	H_2	(B)	Na	(C)		Cl_2	(D)		O_2		
12.	Alumii	nium oxide is										
	(A)	acidic oxide	(B)	basic oxide	(C)	amph	oteric ox	ide (D)	nei	ıtral oxide		
13.	Which	catalyst is used	in the con	tact process for	the man	ufactu	re of H,S	O4?				
	(A)	Fe_2O_3			(C)		SO,	(D)		1a O	85	
14,	Which	one is the strong		2-5	(0)	•	, o	(15)		Ag_2O		
	(Λ) ·		(B)	HClO,	(C)		ICIO	(D)		rigio		
15.			10 H	•	(C)	Ι	$IClO_3$	(D)		HClO₄		
15.	(A)	of the following Sc		Y			D	-		792727		
16.	3354-500-660	le bond consists	895 - D	I	(C)		Ra	(D)		CO		
				eiame and a	ani b	4 (0	ν O ·	<u>an</u> gerie		1 1 ~		
17.	B. B	(A) two sigma bond (B) one sigma and one pi bond (C) One sigma and two pi bond (D) two pi bonds β , β -dichloro ethylsulphide is known as										
				N.	2020	<u></u>				97		
	(A)	mustard gas	(B)	laughing gas	(0	C)	phosgene	gas		(D) bio-ga	S	

312-418 - 17000 ***

(INTER PART II - CLASS 12th) Time: 2.40 Hours Chemistry (New Scheme) Marks: 68 Paper: II SUBJECTIVE Section I is compulsory. Attempt any 3 questions from Section II. Note:-(Section - I) $(8 \times 2 = 16)$ Write short answers to any Eight parts. 2. i. Why Na_2O is basic while SO_3 is acidic in nature. ii. Give essential features of period four (4) in modern periodic table. Li_1CO_3 decompose on heating but Na_2CO_3 is stable towards heat, why? iii. What is chemical garden? iv. v. Aluminium sheets are said to be corrosion free at normal conditions. Why? vi. What is meant by vitreous silica? vii. How does sulpher occur in nature? Complete and balance the given equations. (a) $HNO_2 + (NH_2)_2CO \rightarrow ?$ (b) viii. ix. How does nitrogen differ from other elements of its group? (write four points) What is meant by chemical oxygen demand? х. xi. What is leachate? Why 1- Butene does not show cis-trans isomerism, but 2- Butene show isomerism? XII. $(8 \times 2 = 16)$ Write short answers to any Eight parts. 3. What is chromyl chloride test? Give its chemical reaction. i. ii. What are interstitial compounds? iii. How will you convert ethene into formaldehyde? iv. Write reaction mechanism for the preparation of ethane by Kolbe's process. v. How will you convert benzene into orthochloronitro-benzene? vi. How will you convert methane into ethanoic acid? vii. How will you distinguish between an alcohol and a phenol? viii. How will you prepare ethanaloxime from an aldehyde? ix. How ethyl iodide is prepared from diethyl ether? x. Write structural formulae of following compounds. (i) Benzyl alcohol (ii) phenyl hydrazine xi. How acetic acid is converted into ethanol? xii. How will you convert acetic acid into methane? $(6 \times 2 = 12)$ Write short answers to any Six parts. What are thermosetting polymers? Define homopolymer with an example. iii. What are nucleosides and nucleotides? iv. What are macronutrients? What do you mean by prilling of urea? ٧. vi. Discuss the reactions that take place during first 24 hours by the "setting of cement". vii. What is available chlorine? How is it produced? viii. What are Freons and Teflons? How are halogen acids ionized in water? Section-II $(3 \times 8 = 24)$ Note:-Attempt any three (3) questions: What are hydrides? Classify them. Write two properties of any two of them. (a) Write four roles of lime in industries. (b) What is Corrosion? Explain Electrochemical Theory of Corrosion. 6. (a) Biosphere (b) Write note on (i) Hydrosphere (a) Explain the term Cracking. Write its various types. Nitration of Benzene Write Mechanism for (i) Friedel Crafts Alkylation (ii) (b) 8. (a) Explain acidic nature of alkynes giving at least three examples. (b) Write reaction of phenol with (i) HNO_3/Δ (ii) $H_2SO_4(Conc)$ (iv) CH₃COCl Br_{2} (iii) 9. (a) Differentiate between SN^1 and SN^2 reactions. Give four points, each for SN^1 and SN^2 reactions. (b) Write a note on oxidation of aldehydes and ketones.

312 - 418 - 17000