SWL-12-19

Roll No.	Annual 201

Chemistry (New Scheme)
Paper: II

(INTER PART II CLASS 12th)(II) Objective

Code: 8483

Time: 20 Minutes Marks: 17

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number with marker or pen. Cutting or filling two or more circles will result in zero mark in that question.

1. 1.	Reaction	on between Fat	and NaOl	H is called as:		50			
	(A)	esterification	(B)	hydrogenolysis	(C)	fermentation		(D) sponi	fication
2.	Coagul	ant used for pu	rification	of potable water	is:				
	(A)	NiSO₄	(B)	$BaSO_4$	(C)	$CuSO_4$		(D) Al	um
3.	Which	one is not a ca	dearious i	material?					
	(A)	lime	(B)	clay	(C)	marble	(D) marine	shell
4.	Hydrol	ysis of Fats occ	ur by enz	yme.					
	(A)	Urease	(B)	maltase	(C)	Zyma	ise (D) Lipase	
5.	Acetamide is prepared by:								
	(A)	heating	of CH_3	$COONH_4$	(B)	heating of	CH_3CN	/	
	(C)	(C) heating of $CH_3COOC_2H_5$ (D) hydrolysis of CH_3CN							
6.	Which	one has the hig	ghest boili	ng point?					
	(A)	Methanal	(B)	propanal	(C)	Ethanal	(D)	2-Hexanoi	ne
7	Methyl	alcohol is not	used as						
	(A)	solvent	(B) anti	freezing agent	(C) s	ubstitute of petr	ol (D)	denaturation	of alcohol
8.		st reactive cor	npound is	:					
	(A)	Benzene	(B)	Ethene	(C)	Ethane	(D)	Ethyne	
9.		one is not a nue	-53						
	(A)	H_2O	(B)	H_2S	(C)	BF_3	(D)	NH_3	
10.	Conver	sion of unsatur				drocarbons in the	presence		
	2. 15	1 0 0		ydrogenation	100	hydroxylation	(D)	dehydrogena	tion
11.	Both C	H ₃ COOH and	d HCO	OCH ₃ show isor	nerism				
	(A)	position	(B)	chain	(C)	geometric	(D)	functional gr	oup
12.	Formul	a of Haematite	is						
	(A)	FeS_2	(B)	Fe_2O_3	(C)	$FeCO_3$	(D)	Fe_3O_4	
13.	Weakes	st acidic solution	on will be	of					
	(A)	HF	(B)	HBr	(C)	HI	(D)	HCl	
14.	Catalys	t used in conta	ct process	is					
	(A)	NO/NO2	(B)	Fe_2O_3	(C)	SO_3	(D)	V_2O_5	
15.	Chief o	re of aluminiu	ım is						
	(A)	Na_3AlF_6	(B) A	$4l_{2}O_{3}2H_{2}O$	(C)	Al_2O_3	(D)	$Al_2O_3.H_2O$	
16.	Compo	und obtained v	vhen Na b	urns in excess of	air				
	(A)	NaO_2	(B)	Na_2O_2	(C)	Na_2O	(D)	Na_2O_3	
17.	Mark tl	ne correct state	ment.						
	(A) Na^+ is smaller than Na - atom (B) Na^+ is larger than Na - atom								
	(C) Cl^- is smaller than Cl - atom				(D) (Cl^- and Cl - and	tom are	equal in size	
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aper :	stry (New Scheme) (INTER PART II – CLASS 12th) Time: 2.40 Hours						
/"	Marks: 68 SUBJECTIVE						
Note:-	Section I is compulsory. Attempt any 3 questions from Section II.						
	$(\underline{\text{Section}} - \underline{I})$						
2.	Write short answers to any Eight parts. $(8 \times 2 = 16)$						
	Lanthanide contraction controls the size of elements of 6 th and 7 th periods. Explain the statement.						
11.	Give reason for order of hydration energies $Al^{3+} > Mg^{2+} > Na^{+}$						
iii.	resident of the second						
jν.	What is chemical garden? How does weathering of potassium feldspar occur? Explain with the help of chemical equation.						
vi.	Give chemical formula of soapstone and its two uses.						
vii.	Complete and balance the given chemical equations. (a) $H_2S + NO \rightarrow$ (b) $HNO_1 + HN_3 \rightarrow$						
viii.	Give two examples to prove NO_2 as a strong oxidizing agent.						
	How is orthophosphoric acid converted to metaphosphoric acid? Give complete chemical reaction.						
	Name various steps involved in the manufacturing of Portland cement by wet process.						
	Write four essential qualities of a good fertilizer.						
xii.	Describe role of chlorofluorocarbons (CFC s) in removing ozone in stratosphere by mean of						
2	chemical reactions.						
3.	Write short answers to any Eight parts. (8 x 2 = 16) Why is the same from station about a double band but a from station about a station about $a = 10$						
i. ii.	Why is there no free rotation about a double bond but a free rotation about a single bond? What is mustard gas? How it is produced?						
ili.	Write structural formulas of the following compounds:						
-	(i) 3-methyl -1 - pentene - 4 - ync (ii) But -1-en - 3 - yne						
iv.	Describe X-ray structure of Benzene.						
ν.	What are mono cyclic aromatic hydrocarbons? Give two examples.						
vi.	What is a Nucleophilic substitution reaction? Give example.						
vii.	Why SOCl ₂ is the best reagent to get alkyl halides from alcohols? Explain with reaction.						
viii.	Define fermentation. Write essential conditions for fermentation.						
ix.	Write structural formulas of the given compounds:- (i) Tartaric acid (b) Lactic acid What is Ninhydrin test? Give its use.						
xi.	What are essential and non essential amino acids?						
xii.	What is a peptide bond? Write formula of a dipeptide.						
4.	Write short answers to any Six parts. $(6 \times 2 = 12)$						
i.	Why iodine has metallic luster?						
ii.	What are Freon's and Teflon's? The blooking action of blooking actually in the string aborator justify it.						
iii. iv.	The bleaching action of bleaching powder is due to its oxidative character, justify it. Damaged tin plated iron gets rusted quickly, give reason.						
V.	Write chemistry of silver mirror test.						
vi.	Write reaction for the conversion of methanol to ethanol.						
vii.	Make difference between fat and oil.						
viii.	Write importance of DNA.						
ix.	What is iodine number?						
	Section-II						
Note:-	(A > D A)						
5. (a)	Write any two similarities and two differences between hydrogen and halogens.						
(b)							
6. (a)							
(b)	Explain the process of incinctation of industrial value.						
7. (a)							
(0	Kekule's structure.						
8. (a)	Write a note on halogenations of alkanes by explaining all the steps involved.						
(b)	Explain following properties with reference to phenol. (i) Esterification (ii) Sulphonation 4 What products are formed when the following compounds are treated with ethylmagnesium bromide.						
9. (a)	what products are formed when the following compounds are treated with early magnetic and						
An	followed by hydrolysis in the presence of acid? (i) CH_1CHO (ii) CO_2 (iii) $(CH_3)_2CO$ (iv) $CICN$						
1 // (b							
(0	proposition in the reaction of president and account.						

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