PAPER CODE — 8485

12th CLASS — 1st Annual 2024

	12" CLASS – 1" Annual 202	TIME: 20 MINUTES
EMISTRY		MARKS :17
OUP : FIRS	T HISTORIAN CONTRACTOR AND CONTRACTO	INIMING .17
	OBJECTIVE	A. R. C and D. The choice which you
TE: You h	ave four choices for each objective type question as is correct, fill that circle in front of that question not correct type are more circles will result in ze	umber. Use marker or pen to fill the
think	is correct, fill that circle in front of that question has cutting or filling two or more circles will result in ze	ro marks in that question.
TOTION NO	1	4
Dianar triar	gular shape is associated with which set of hybrid	orbitals
(A) sp ³	(B) sp (C) sp^2 (D) dsp^2	(0)
(A) Sp	chloroform is	(22)
(A) CH ₃ Cl	(B) CCl ₄ (C) CH ₂ Cl ₂ (D) CHCl ₃	
(A) Chigci	ation of benzene , the active nitrating agent is	$(\mathcal{O}_{\mathcal{O}})$
(A) NU ₃	(B) NO_2^+ (C) NO_2 (D) HNO_3 anol (CH ₃ – CH ₂ – OH) is made to react with ethyl m	nagnesium bromide the product
	1101 (013 012 -11	
formed is	(B) $CH_2 = CH_2$ (C) C_2H_2 (D) $CH_3 - CH_3$	
(A) CH ₄	anound is called a universal solvent?	7
100	(B) CH ₂ OH (C) C ₂ H ₅ OH (D) CH ₃ - C	
(A) H ₂ U	e following compounds will react with Tollen's Teas	gent.
One of the	10110MILIS COLLIDORIUS I	7.
	С-H (B) CH3-C-CH3 (C) CH3-C-OH	(D) CH ₃ -C-CH ₂ -CH ₃
(A) CH ₃ -	(ON)	
	e following is not a fatty acid cacid (B) Propanoic acid (C) Butanoic ac	id (D) Phthalic acid
(A) Acetic	ne of the following enzymes brings about the hydro	lysis of fats?
		(D) Zymäse
(A) Ureas	Se (D) Marcase	
	not a calcarious material ? (B) Clay (C) Marble	(D) Marine Shell
(A) Lime	(0) 5.51	× .
10 Disinfect	cion of chlorine is	(D) Slow
(A) Inex	Jensive (5)	
	em is a smaller unit of (C) Atmosphere	e (D) Biosphere
(A) Litho	osphere (B) Hydrosphere (C) Atmosphere	
12 Select t	ne two normal elements are present in Fifth period	La, Hf
(A) Rh	Sr (B) Cs, Ba (C) FI, Na	
13 The mir	neral (CaSO ₄ . 2H ₂ O) has the general name	Epsom salt
(A) Gyn	sum (B) Dolomite (C) Calcite (D)	-pa-
14 One of	the element forms an ion with charge 3+	(D) Silicon
	to the state of th	ic acid with conc: H ₂ SO ₄
15 Choose	the gas which is obtained by the reaction of Form	no dola vivi
10101	(B) C-H. (C) CO ₂	
16 One of	the halogen occurs naturally in a positive oxidation	Dromine
(A) Flu	orine (B) Chlorine (C) lodine (B)	Bromine
17 Group	VI - B of transition elements contains	(D) Mn , Te , Re
	, Cd , Hg (B) Cr , Mo , W (C) Fe , Ru , O (Obi) = 1 st Annual 2024 SEQUENCE = 3	TENED CODE BARSI

12th CLASS – 1st Annual 2024 TIME: 2 HRS 40 MINUTES

GR	OUP : FIRST		SUBJECT	IVE PART		MARKS: 68				
			SEC	TION - I						
OUFS	TION NO. 2 W	rite short a			followin	g	16			
i	Why alkali metals	are very read	tive ?			DGK-1-	2/1			
ii	What are the s-b	lat are the S - block elements and why are they called so !								
III	How do transition	v do transition elements display colours ?								
iv	K ₂ CrO ₄ and K ₂ Cr ₂ (rO ₄ and K ₂ Cr ₂ O ₇ show similar properties. Justify this.								
V	How does brown p	v does brown pulp converted into white pulp in paper industry?								
vi	Give formula of (I)	e formula of (i) Dolomite (ii) Natron at will happen when Lithium Hydride is treated with water.								
vii viii	Starting from (nrin	at will happen when Lithium Hydride is treated with water. rting from (primary) alkyl halide prepare ethylamine								
ix	How the molecula	w the molecular mass of polymer is determined ?								
		nat is starch? Write its two uses.								
		at are lipids ? What is their importance ?								
		ow Grignard reagent react with CH₃CHO ?								
	TION NO. 3 Wr	ite short a	nswers any E	ight (8) of the	following	g	16			
i	Why is SO ₃ dissolv Write down any fo	red in H ₂ SO ₄	and not in H ₂ O	r		*				
ii iii	What are Freons a									
iv				es.						
v	What are alicyclic	rite down any four applications of noble gases. That are alicyclic compounds? Give its two examples.								
vi		efine knocking. How does it improve?								
vii	How formaldehyd	e is prepared	d from ethene?							
viii	How acetylene is			7						
ix	Why alkanes are l									
X	Differentiate betw			smog.						
xi xii	How chlorofluoro What is dissolved		itoy ozone :							
	TION NO. 4 Wri		nswers any Si	x (6) of the fol	llowing	8)	12			
i	What is the Chem				5					
ii	Write down any t	wo uses of A	luminium.							
iii	Why are liquid sil	thy are liquid silicones preferred over ordinary organic lubricants? That are the major products of bromination of the following compounds?								
iv				of the following	compound	is?				
	(a) Toluene (b)	Benzaldehyo	le	co under diffe	rent cond	itions, give reactions.				
V	Write IUPAC nam	erent produc	owing compou	ads	erent cond	itions, give reactions.				
vi										
vii	Why formaldehy	(a) (CH ₃) ₂ CH – OH (b) (CH ₃) ₂ CH CH ₂ OH Why formaldehyde does not give aldol condensation reaction?								
viii	What is internal s	salt of amino	acids?							
ix	Write down the r	eaction of a	cetic acid with a	mmonia and its	product or	heating.				
				SECTION-II						
Note	Attempt any Th	ree questio	ns from this s	ection			$8 \times 3 = 24$			
Q.5.(odic table with I	V A group	elements.				
	the same of the sa	prepared co	ommercially by	Down's Cell ?						
Q.6.			hlorine in daily							
			a fertilizer on la							
	Q.7.(A) Define atomic orbital hybridization. Explain sp hybridization with formation of		mation of ethyne.							
-			SN ₁ reactions.							
Q.8.	(i) Acetaldeh		Oxalic acid	(iii) Benzene	(iv) ch	oroprene .				
			Acetaldehyde	(i) Lactic acid	(ii) Aceta					
Q.9.			zene with reacti							
	,			opanol and 2-	methyl - 2	- propanol ?				
,	Justify the an	swer with ch	emical test.			i,				
		Ø .	18 - (Sub) -	- 1 st Annua	2024					