		INTERMEDIATE PART-II (12th CLASS)	5.53A
СН	EMI	STRY PAPER-II (NEW SCHEME) (SESSION 2015-2017) GRO	OUP-I
		LOWED: 2.40 Hours SUBJECTIVE MAXIMUM M	IARKS:
III	TE.	Write same question number and its part number on answer book,	5
NU	1E: - 1	is given in the question paper.	
	4	SECTION-I	
2.		Attempt any eight parts.	$\times 2 = 16$
	(i)	Define Hydration Energy. Give one example.	
	(ii)	Why diamond is non-conductor of electricity while graphite is a good conductor?	2
	(iii)	What happens when the following compounds are heated? (a) $LiOH$ (b) $Mg(NO_3)$	)2
	(iv)	Which two major problems are faced during working of diaphragm cell?	
	(v)	Write down chemical formula of Colemanite and Bauxite.	
	(vi)	Why are liquid Silicones preferred over Ordinary Petroleum Oil?	
	(vii)	Give two chemical reactions to prove that $NO_2$ is an Oxidizing Agent.	
	(viii)	Write two precipitation reactions of Sulphuric Acid.	
	(ix)	Why group IIB elements are called Non-typical Transition elements?	
	(x) (xi)	What are Ligands? Give two examples. What is Ecosystem?	
	(xii)	How does increasing concentration of detergents affect the aquatic life?	
3.	()		$3 \times 2 = 16$
	(i)	What is Teflon? Give its uses.	
	(ii)	Why the Oxyacids of Chlorine are stronger than Oxyacids of Bromine?	
	(iii)	1 – Butene does not show Cis-trans isomerism but 2 – Butene does. Justify this stater Define the terms:- (a) Fractional distillation (b) Hybridization	nent.
	(iv)	Define the terms:- (a) Fractional distillation (b) Hybridization Write chemical equations for preparation of propene from:-	
	(v)	(a) $CH_1CH_2CH_2Br$ (b) $CH_3CH_2CH_2OH$	
	(vi)	What is Polymerization? How high quality polyethylene is obtained from Ethene?	
	(vii)	Define Resonance and Resonance Energy.	
	(viii)	What are objections to Kekule's formula?	
	(ix)	Justify the given order of reactivity on the basis of bond energy $R - I > R - Br > R -$	$C\ell > R - I$
	(x)	Complete the following reactions:-	
		(a) $CH_3CH_2 - Br + CH_3O^- \longrightarrow$ (b) $CH_3CH_2 - Br + CH_3COO^-Na^+ + CH_3COO^$	$\longrightarrow$
	(xi)	What is meant by denaturing of Alcohol?	
	(xii)	Give reactions of Phenol with:- (a) Bromine water (b) Conc $H_2SO_4$	
4.	1000		$5 \times 2 = 12$
	(i)	Convert Acetaldehyde to 1, 1 – Diethoxyethane.	
	(ii) (iii)	Convert Acetone to Acetic Acid. Draw the structural formula of (a) Epichlorohydrin (b) Diphenylol Propa	ne
	(iv)	What is condensation polymerization? Give a reaction.	ne
	(v)	Draw the structural formulas of (a) Valeric acid (b) Phthalic acid	
	(vi)	What are Amino Acids? Give two examples.	
	(vii)	What are Carbohydrates? How are they classified?	
	(viii)	What are Fertilizers? Why are they needed?	
	(ix)	What is the composition of Lime and Silica of good Cement?	
		SECTION-II	
		Attempt any three questions.	
5.(	1980 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 - 1920 -	plain the position of Hydrogen in 1 <sup>st</sup> A group of periodic table with two similarities and	
0		o differences.	2+2
6.(		escribe four peculiar behaviour of Beryllium. replain Bessemer's Process for manufacturing of Steel with the help of diagram.	1+3
- 2	19 - au		
(		here does Ozone exist in atmosphere? What is Ozone hole? rite role of CFCs in destroying ozone.	1 + 1 + 2
7.(		efine $sp^2$ hybridization. Explain the structure of Ethene on the basis of $sp^2$ hybridization	
			5n. 4 4
- 67	- 52 · · · · ·	That are $S_N$ reactions? Explain $S_N 2$ reactions in detail.	
8.(	a) Ho (i)	<ul> <li>w will you make the following conversions?</li> <li>n – prophyl bromide into propane</li> <li>(ii) Propanoic acid into Ethane</li> </ul>	4
		(ii) Ethane into Methane (iv) $2 - Butyne into Cis - 2 - Butene$	
(		hat types of Aldehydes give Cannizzaro's reaction? Give its mechanism.	4
		escribe Nitration and Sulphonation of Benzene with Mechanism.	4
9.(			

23-2017(A)-17000 (MULTAN)

Paper	r Code	201	17 (A)	Roll No.
Num	ber: 4481		E PART-II (12 <sup>th</sup> C	
CHE	MISTRY PAPE	R-II (NEW SCH	IEME) (SESSIC	ON 2015-2017) GROUP-I
	ALLOWED: 20		OBJECTIVE	MAXIMUM MARKS: 1
Note: think Cuttir as give	You have four cho is correct, fill that ci ng or filling two or n en in objective type BLES are not filled.	ices for each objective rcle in front of that qu tore circles will result	type question as A, E testion number. Use in zero mark in that o we others blank. No	B, C and D. The choice which you marker or pen to fill the circles. question. Attempt as many questio credit will be awarded in case ECTIVE PAPER.
(1)		e size of atoms, o	rder is correct one.	
	(A) $Mg > Sr$	(B) $Ba > Mg$	(C) $Lu > Ce$	(D) $C\ell > I$
(2)	The mineral CaSO <sub>4</sub>	$2H_2O$ has the general r	name:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(3)	element is no	t present abundantly in	earth's crust.	
	(A) Silicon	(B) Aluminium	(C) Sodium	(D) Oxygen
(4)	Oxidation of NO in	air produces:-		
	(A) N <sub>2</sub> O	(B) N <sub>2</sub> O <sub>3</sub>	(C) N <sub>2</sub> O <sub>4</sub>	(D) $N_2O_5$
(5)	The anhydride of H	$C\ell O_4$ is:-		
	(A) <i>ClO</i>	(B) <i>C</i> ℓ <i>O</i> <sub>2</sub>	(C) <i>ClO</i> <sub>3</sub>	(D) <i>Cl</i> <sub>2</sub> <i>O</i> <sub>7</sub>
(6)	Coordination number (A) 2	er of <i>Pt</i> in [ <i>PtCl(NC</i> (B) 4	$(NH_3)_4]^{2-}$ is:-	(D) 6
(7)	Ether shows the phe	25 55	(0)	
	NAMES AND AND AND		oup isomerism (C) M	etamerism (D) Cis – trans isomeri
(8)		bines with $HC\ell$ to form		
	(A) Polyacetylene	(B) Benzene	(C) Chloroprene	(D) Divinyl Acetylene
(9)	acid can be u	used as a catalyst in Frie	del-Craft's reactions.	
	(A) $A\ell C\ell_3$	(B) HNO <sub>3</sub>	(C) BeCl <sub>2</sub>	(D) NaCℓ
(10)	is not a Nuc	leophile.		
	(A) <i>H</i> <sub>2</sub> <i>O</i>	(B) <i>H</i> <sub>2</sub> <i>S</i>	(C) $BF_{-}$	(D) <i>NH</i> <sub>3</sub>
(11)		s concept, ethers behave	2000,000,000,000,000,000	(-)
	(A) Acid	(B) Base	(C) Acid as well as a	a base (D) Electrophile
(12)	The carbon atom of	f a Carbonyl group is:-		
	(A) sp hybridized	(B) $sp^2$ hybridized	(C) sp <sup>3</sup> hybridized	(D) $dsp^2$ hybridized
(13)	Acetic acid is manu	factured by:-		
	(A) Distillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification
(14)	is used in the	ne manufacture of synth	etic fibre.	
	(A) Formic acid	(B) Oxalic acid	(C) Amino acid	(D) Acetic acid
(15)	The reaction betwee	en fat and NaOH is call	led:-	
		(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
(16)	Phosphorus helps the			
	(A) Root	(B) Leave	(C) Stem	(D) Seed
10.000				
(17)	(A) Carbonic acid	y pollutant. (B) <i>CO</i> <sub>2</sub>	(C) <i>SO</i> <sub>2</sub>	(D) <i>CO</i>

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23(Obj)(2)-2017(A)-17000 (MULTAN)

-	r Code ΔΔ	183		RMEDIA	017 (A)	TT (anth	Roll No.		
Numb			191-91 (SP)						CDOID I
CHE	MISTRY	PAPE	R-II	(NEW SC	HEME)	(SESSI	ON 2015-20	17)	<b>GROUP-I</b>
TIME	ALLOW	ED: 20 N	Minutes		OBJEC	TIVE			M MARKS: 1
think i Cuttin	is correct, fi ig or filling t en in objecti	ll that cir two or m ve type c	rcle in fr ore circl juestion	ont of that q es will result paper and le	in zero may	mber. Use ark in that blank. No	question. Att	en to m tempt a e award	s many question
BUBB	LES are no	t filled.	Do not s	olve questio	n on this sl	neet of OB.	JECTIVE PA	PER.	
Q.No.: (1)	ı is ۱	used in th	e manufa	acture of synt	hetic fibre.				
	(A) Formio	e acid	(B) Ox	alic acid	(C) Ami	no acid	(D) Acetic	acid	
(2)	The reaction	n betwee	n fat and	NaOH is ca	lled:-				
	(A) Esterifi	cation	(B) Hy	drogenolysis	(C) Ferm	nentation	(D) Saponi	fication	
(3)	Phosphoru	s helps th	e growth	n of:-					
	(A) Root		(B) Le	ave	(C) Sten	n	(D) Seed		
(4)	is a s	secondary	y pollutai	nt.					
	(A) Carbor	ic acid	(B) C	<i>O</i> <sub>2</sub>	(C) SO <sub>2</sub>		(D) <i>CO</i>		
(5)	Keeping in	view the	e size of	atoms,	order is co	rrect one.			
	(A) $Mg >$	Sr	(B) B	a > Mg	(C) <i>Lu</i>	> Ce	(D) $C\ell > I$	ſ	
(6)	The minera	1 CaSO <sub>4</sub>	$2H_2Oh$	as the general	name:-				
3.5	(A) Gypsu			olomite	(C) Calo	cite	(D) Epsom	salt	
(7)	N24510 1958		2012	abundantly i	1967.6				
	(A) Silicon			uminium	(C) Sod		(D) Oxyge	n	
(8)	Oxidation	of NO in	air prod	uces:-					
2.2	(A) N <sub>2</sub> O		(B) N	$_{2}O_{3}$	(C) N <sub>2</sub> (	04	(D) N <sub>2</sub> O <sub>5</sub>		
(9)	The anhydr	ide of H	5, 10,2 50,000,000						
$(\mathcal{I})$	VICT STREET				(C) Cl(	2	(D) <i>Cℓ</i> <sub>2</sub> <i>O</i> <sub>2</sub>		
	(A) <i>ClO</i>		(B) C				(D) $C\ell_2 O_1$	1	
(10)		on numbe		in $[PtC\ell(N$	- and a second	) <sub>4</sub> ] <sup>2-</sup> is:-	(D) 6		
(11)	(A) 2 Ether shor	us tha nh	(B) 4		(C) 1		(D) 6		
(11)	Ether show				roup isome	rism (C)	Metamerism	(D) Ci	s – trans isomeri:
(12)				with $HC\ell$ to f			ore uniterism	(D) 01	J duily isomera
(12)	(A) Polyac	5-2-		enzene		oroprene	(D) Diviny	Acetv	lene
(13)			100	catalyst in Fr	n				lone
(15)	(A) AlCl		(B) <i>H</i>		(C) Be		(D) NaCl		
(14)	(A) heee	•			(0) 20	002	(D) 11400		
(14)		iot a inuc							
(15)	(A) $H_2O$	to Lewis		<sup>1</sup> <sub>2</sub> S ethers behav	(C) BF	6	(D) $NH_3$		
(15)	(A) Acid	to Dewis	(B) B			d as well as	s a base (D) H	Electron	hile
(16)	2012	n atom o		nyl group is:-	112020200000				
(10)	(A) sp hy					hybridized	$(D) dsp^2 h$	whridiz	ed
(17)	(A) sp ny Acetic aci		10010006-0		(C) sp	nyonanzec	. (b) usp 1	., on unz	
(17)	(A) Distil			ermentation	(C) Ozo	nolveie	(D) Esterif	ication	
	1/3/ DISUL	auon	(D) I'	Information	(0)020	1019313	L LSICIII	reauon	

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Pape	r Code	0.7		17 (A)		Roll No	
Num	ber: 44	85   <sub>inte</sub>	RMEDIAT	E PART	-II (12 <sup>th</sup> C	CLASS)	
CHE	MISTRY	PAPER-II	(NEW SCH	IEME)	(SESSIC	ON 2015-2017)	<b>GROUP-I</b>
			1972	OBJEC			JM MARKS: 17
Note think Cuttin as giv	: You have fo is correct, fill ng or filling tw en in objective BLES are not f	that circle in fr o or more circl e type question	ach objective ont of that qu les will result paper and lea	type ques estion num in zero ma ve others	tion as A, B mber. Use urk in that o blank. No	R, C and D. The ch marker or pen to f question. Attempt credit will be awar ECTIVE PAPER.	oice which you ill the circles. as many question
(1)	Vinyl acetyle	ne combines wi	th $HC\ell$ to form	n:-			
	(A) Polyacety	ylene (B) Be	nzene	(C) Chlo	roprene	(D) Divinyl Acety	lene
(2)	acid c	an be used as a	catalyst in Frie	del-Craft'	s reactions.		
	(A) $A\ell C\ell_3$	(B) H	NO <sub>3</sub>	(C) BeC	ll 2	(D) NaCl	
(3)	is not	t a Nucleophile.					
(4)	(A) $H_2O$ According to	(B) H Lewis concept,	÷	(C) <i>BF</i> <sub>3</sub> as:-		(D) NH <sub>3</sub>	
	(A) Acid	(B) Ba			as well as a	base (D) Electron	ohile
(5)	The carbon a	tom of a Carbon	yl group is:-				
	(A) sp hybri	dized (B) sp	<sup>2</sup> hybridized	(C) $sp^{3}$	nybridized	(D) $dsp^2$ hybridiz	red
(6)	2010 - 20	s manufactured	2		••••••	(-)	
(0)	(A) Distillat		rmentation	(C) Ozor	olysis	(D) Esterification	
(7)	ACT \$1 1.000 CT12002	ed in the manufa			1019515	(b) Estermeaton	
(.)	(A) Formic		alic acid	(C) Amin	no acid	(D) Acetic acid	
(8)	0800 15 1	between fat and		3.0	to dold	(D) Acette acid	
(-7	(A) Esterifica		drogenolysis		entation	(D) Saponification	
(9)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	elps the growth		(0)10		(B) Supplimentation	
	(A) Root	(B) Le		(C) Stem		(D) Seed	
(10)	5.6	condary pollutar				(-)	
3.0.2		acid (B) Co		(C) SO <sub>2</sub>		(D) <i>CO</i>	
(11)		iew the size of a		NATIONAL DESCRIPTION	rect one	(0) 00	
()	0.022425536956000.00	(B) Ba				(D) $C\ell > I$	
(12)					00	$(D) C \geq T$	
(12)		$CaSO_4.2H_2O$ ha	21 19				
(12)	(A) Gypsum	10000000000000000000000000000000000000	lomite	(C) Calci		(D) Epsom salt	
(13)		nt is not present					
(14)	(A) Silicon		uminium	(C) Sodiı	Im	(D) Oxygen	
(14)		NO in air produ					
	(A) N <sub>2</sub> O	(B) N		(C) N <sub>2</sub> O	4	(D) $N_2O_5$	
(15)	The anhydrid	e of $HC\ell O_4$ is:-	2				
	(A) <i>ClO</i>	(B) Cé	$O_2$	(C) <i>ClO</i>	i.	(D) $C\ell_2 O_7$	
(16)	Coordination (A) 2	number of Pt i (B) 4	n [ <i>PtCl(NO</i>	( <i>NH</i> <sub>3</sub> ) <sub>4</sub> (C) 1	] <sup>2-</sup> is:-	(D) 6	
(17)	Ether shows t	he phenomenon	of:-				
	(A) Position	Isomerism (B)	Functional gro	up isomeri	ism (C) Me	tamerism (D) Ci	s – trans isomerism
				23(Obi)(	222)-20	17(A)-17000 (MU	LTAN)

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Paper	·Code	20	17 (A)	Roll	No.	
Numł	er: 4487	INTERMEDIAT			101 1 101 1 10 1 10 1 10 1 10 1 10 1 1	
						GROUP-I
CHE	MISTRY PAPI	ER-II (NEW SCI		SESSION 20		
Note: hink i Cuttin	is correct, fill that c g or filling two or n en in objective type LES are not filled.	Minutes pices for each objective ircle in front of that q nore circles will result question paper and le Do not solve question	uestion numb in zero marl ave others bl	n as A, B, C and er. Use market in that questio ank. No credit	d D. The ch or pen to f n. Attempt will be awar	as many question
1)	The anhydride of H	$IClO_4$ is:-				
	(A) <i>ClO</i>	(B) <i>ClO</i> <sub>2</sub>	(C) <i>C</i> ℓ <i>O</i> <sub>3</sub>	(D) (	$\mathcal{U}_2O_7$	
2)	Coordination numb	er of Pt in [Pt Cl(N	$(NH_1), 1^2$	- is:-		
7	(A) 2	(B) 4	(C) 1	(D) (	5	
(3)	Ether shows the pho	enomenon of:-				
	(A) Position Isomer	rism (B) Functional gr	oup isomerisr	n (C) Metameri	sm (D) C	is – trans isomeris
(4)	Vinyl acetylene cor	mbines with $HC\ell$ to for	rm:-			
	(A) Polyacetylene	(B) Benzene	(C) Chloroj	prene (D) E	Divinyl Acet	ylene
(5)	acid can be	used as a catalyst in Fri	edel-Craft's r	eactions.		
	(A) $A\ell C\ell_3$	(B) HNO <sub>3</sub>	(C) $BeCl_2$	(D) 1	VaCl	
(6)	is not a Nuc	leophile.				
	(A) H <sub>2</sub> O	(B) <i>H</i> <sub>2</sub> <i>S</i>	(C) <i>BF</i> <sub>3</sub>	(D) /	VH,	
(7)	2015	s concept, ethers behave		2.5	3	
	(A) Acid	(B) Base	(C) Acid as	well as a base	(D) Electro	phile
(8)	The carbon atom of	f a Carbonyl group is:-				
	(A) sp hybridized	(B) $sp^2$ hybridized	(C) sp <sup>3</sup> hy	bridized (D) a	<i>lsp</i> ² hybridi	zed
(9)	Acetic acid is manu	factured by:-				
	(A) Distillation	(B) Fermentation	(C) Ozonol	ysis (D) H	sterification	
(10)	is used in t	he manufacture of synt	hetic fibre.			
	(A) Formic acid	(B) Oxalic acid	(C) Amino	acid (D) A	cetic acid	
(11)	The reaction between	en fat and NaOH is ca	lled:-			
	(A) Esterification	(B) Hydrogenolysis	(C) Fermer	tation (D) S	aponificatio	n
(12)	Phosphorus helps t	he growth of:-				
	(A) Root	(B) Leave	(C) Stem	(D) S	leed	
(13)	is a secondar	ry pollutant.				
	(A) Carbonic acid	(B) <i>CO</i> <sub>2</sub>	(C) <i>SO</i> <sub>2</sub>	(D) (	CO	
(14)	Keeping in view th	e size of atoms,	order is corre	ct one.		
	(A) $Mg > Sr$	(B) $Ba > Mg$	(C) $Lu > C$	Ce (D) (	$C\ell > I$	
(15)	The mineral CaSO	$_4.2H_2O$ has the general	name:-			
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) E	psom salt	
100000	element is no	ot present abundantly in	n earth's crust.			
(16)	and the second se	(D) 11	(C) Sodium	(D) (	N V X X 2010 100 100 100 100 100 100 100 100 10	
(16)	(A) Silicon	(B) Aluminium	(C) Souturi		Oxygen	
(16) (17)	(A) Silicon Oxidation of <i>NO</i> in		(C) Souran		Dxygen	

8

23(Obj)(22222)-2017(A)-17000 (MULTAN)

### Explain open hearth process for the manufacture of Steel. Why is Ozone layer depleting? What will happen when concentration of Ozone will be decreased? Write a short note on Reforming? Give two chemical reactions which are used for increasing Carbon Chain? 8.(a) How does Propyne react with following reagents? (ii) $Cu_2C\ell_2/NH_4OH$ (iii) $H_2O/H_2SO_4$ HgSO<sub>4</sub> (iv) NaNH<sub>2</sub> (i) $AgNO_{3} / NH_{4}OH$ What are Condensation Reactions? Explain Aldol condensation with three examples. 9.(a) Discuss the stability of benzene in detail with reference to 1, 3, 5 cyclohexatriene. (b) What is Fermentation? How Ethyl Alcohol can be prepared by this method from Molasses?

(vi) (vii) What is the effect of temperature on Enzyme Activity? What are Macro-nutrients? Write their names. (viii) (ix) SECTION-II NOTE: - Attempt any three questions. Explain Sixth and 7th period of Periodic Table. 5.(a) How & why Beryllium differs from its group members? (b)

Write general mechanism of the reactions of Ammonia derivatives with carbonyl Compounds. (ii) Write the structural formula of Phthalic Acid and Malonic acid. (iii)

- Define essential and Non-essential Amino Acids. (iv)

- (v) Define Copolymers with one example.

Attempt any six parts.

- How are Proteins denatured?

What are the reactions taking place between one to seven days in setting of Cement?

Hydration energies of the following ions are in order. Explain  $A\ell^{+3} > Mg^{+2} > Na^+$ (ii) What is the importance of Sulpher for Plants? (iii)

NOTE: - Write same question number and its part number on answer book,

- Why NaOH aqueous solution is more basic than LiOH?
- (iv) Aluminium sheets are said to be corrosion free. Why?
- (v)
- Give peculiar behavior of Carbon with 1VA group elements. Give two points of differences. (vi)

2017 (A)

SUBJECTIVE

SECTION-I

Define Atomic Radius. Why atomic radii of I A group elements increases in a group?

(NEW SCHEME)

INTERMEDIATE PART-II (12th CLASS)

Roll No:

(SESSION 2015-2017) GROUP-II

MAXIMUM MARKS: 68

 $8 \times 2 = 16$ 

 $8 \times 2 = 16$ 

 $6 \times 2 = 12$ 

2 + 2

1 + 3

4

4

4

4

4

4

4

24-2017(A)-6000 (MULTAN)

4

- (vii)
- What is the effect of Temperature on  $N_2O_4$ ?
- Mention allotropic forms of VIA group elements. (viii)
- What are Substitutional Alloys? (ix)

as given in the question paper.

Attempt any eight parts.

- (x)
- Under what conditions does Aluminium corrode?
- How recycling of plastic is done by a process transformation?
- What are harmful effects of Chlorination of Water?

### (xii)

# (xi)

# 3.

CHEMISTRY PAPER-II

2.

4.

6.(a)

7.(a)

(b)

(b)

(b)

(i)

(i)

TIME ALLOWED: 2.40 Hours

## Attempt any eight parts.

- (i)
- Why HF is weaker acid than HI?
- (ii)
  - What are Disproportionation Reactions? Give an example.
  - 2 Butene shows Geometrical isomerism but 1 Butene does not show. Why?
- (iii) What are Alicyclic Compounds? Give two examples. (iv)
- How Alkane can be prepared by Wolf Kishner's Reaction? (v)

- How Ethene can be converted into Ethylene Glycol?

- (vi)

- - What happens when Benzene is heated with conc.  $H_2SO_4$  at  $80^{\circ}C$ ?
- (vii)
- (viii) Give Mechanism of Nitration of Benzene.

- How tetraethyl lead can be prepared from Alkyl Halides? (ix)

- Which factor decides the reactivity of Alkyl Halides?
- (x)
- Write the structural formulas of (a) Lactic Acid (b) Tartaric Acid

How will you distinguish between Methanol and Ethanol?

- (xi) What is meant by Denaturing of Alcohol? (xii)

Tape	r Code	00		2017 (A)		Roll No			
Num	ber: 44	-82 IN	TERMED	IATE PART	-II (12 <sup>th</sup> CI	LASS)			
CHE	MISTRY	PAPER-I	I (NEW	SCHEME)	(SESSION	N 2015-2017)	GROUP-II		
TIME	ALLOWE	D: 20 Min	utes	OBJEC	TIVE	MAXIMU	JM MARKS: 1		
Note: think Cuttir as giv BUBE Q.No.	You have for is correct, fill ing or filling tw en in objectiv BLES are not 1	our choices f l that circle wo or more ve type quest filled. Do t	for each object in front of the circles will re- tion paper an not solve ques	ctive type ques at question nur sult in zero ma d leave others stion on this sh	tion as A, B, nber. Use m urk in that qu blank. No cr eet of OBJE0	C and D. The ch arker or pen to f testion. Attempt redit will be awar CTIVE PAPER.	ill the circles. as many questio rded in case		
(1)		rrect stateme				acter decreases al			
(2)	(D) Metallic	Character re	mains the san	ne down the gro	oup	racter increases de			
	(A) H <sub>2</sub>	(B	) Na	(C) <i>C</i> $\ell_2$		(D) <i>O</i> <sub>2</sub>			
(3)	Aluminium	Oxide is:-		86775-2400 <b>5</b>		12412200 (1998			
2056	(A) Acidic (	Dxide (B	) Basic Oxide	(C) Amp	hoteric Oxide	(D) None	of these		
(4)	Cataly	yst is used in	the Contact P	rocess.		8. A.			
	(A) $Fe_2O_3$	(B	) $V_2O_5$	(C) <i>SO</i> <sub>3</sub>		(D) $Ag_2O$	1		
(5)	is the s	trongest acid	D.			0.0			
	(A) <i>HClO</i>	(B	) <i>HCℓO</i> <sub>2</sub>	(C) <i>HCℓ</i>	<i>O</i> <sub>3</sub>	(D) <i>HCℓ</i> (	D <sub>4</sub>		
(6)	is a typical transition element.								
	(A) Sc		) Y	(C) <i>Ra</i>		(D) <i>Co</i>			
(7)	A double bo	ond consists	of:-	\$ 2	Sigma bond	(-/			
	(B) One Sign	ma and one j	oi bond		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	o pi bond (D) T	wo pi bonds		
(8)	$\beta - \beta' - dich$	hloro Ethyl S	ulphide is cor	nmonly known			N.		
	(A) Mustard	gas (B	) Laughing ga	us (C) Phos	gene gas	(D) Bio –	gas		
(9)	Benzene car	nnot undergo	(-						
	(A) Substitu	tion reaction	s (B) Additi	on reactions (0	C) Oxidation	reactions (D) Eli	mination reaction		
(10)			reactions invo						
					C) 3 <sup>rd</sup> order ki	inetics (D) Zero	order kinetics		
(11)		1990 - 1990 -	nentation nev			200			
(12)	(A) 14 % Ketopes are	Ø04	) 10 % Ovidation of	(C) 16 %		(D) 95 %			
(12)			Oxidation of: Secondary A	- Alcohol (C) Te	rtiary Alashal		thang		
(13)		s prepared b		A) Heating Ami	11.5	N 10	ulese		
	(B) Heating		1975 - 1985 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 - 1986 -			ate Acid (D) Heati	ng Ethyl Acetate		
(14)	and water	20 - <sup>353</sup> - 32	ar mass up to:		C	(b) riouti	ing ising rectate		
	(A) 10,000	(B	) 20,000	(C) 1000		(D) 10			
(15)	polyme	ers is a synthe	etic polymer.						
	(A) Animal	fat (B	) Starch	(C) Cellu	lose	(D) Polyes	ster		
(16)	Ammonium	Nitrate ferti	lizer is not use	ed for cro	p.				
2.5	(A) Cotton	(B)	) Wheat	(C) Sugar	cane	(D) Paddy	Rice		
	10000	1663		A.0.0.0.0.0.0.000		(D) 1 addy			
(17)	10000	an be recycle		gain by (C) 4		(D) i dddy			

Pape	r Code		2017 (A)	Roll	No.	
Num	ber: 4484	INTERMEDIA	TE PART-	II (12 <sup>th</sup> CLASS	5)	
CHE	MISTRY PAPE	R-II (NEW S	CHEME)	(SESSION 201	5-2017)	GROUP-II
TIME	E ALLOWED: 20	Minutes	OBJECT	TIVE	MAXIM	JM MARKS: 1
think Cuttii as giv		rcle in front of that fore circles will resu question paper and Do not solve questi	question num ilt in zero mar leave others b	ber. Use marker k in that question lank. No credit v	or pen to f n. Attempt vill be awar	ill the circles. as many questio
(1)	CORP. CONTRACTOR	lecular mass up to:-				
	(A) 10,000	(B) 20,000	(C) 1000		(D) 10	
(2)	polymers is a	synthetic polymer.				
	(A) Animal fat	(B) Starch	(C) Cellulo	ose	(D) Polyes	ster
(3)	Ammonium Nitrate	fertilizer is not used	for crop			
	(A) Cotton	(B) Wheat	(C) Sugar	cane	(D) Paddy	Rice
(4)	Newspaper can be re	ecycled again and ag	ain by	times.		
	(A) 2	(B) 5	(C) 4		(D) 3	
(5)	Mark the correct sta	tement:-	(A) M	letallic Character	decreases al	ong a period
(6)	(D) Metallic Charac	ter increases along a ter remains the same osited at the Cathode	down the grou	р		
	(A) H <sub>2</sub>	(B) Na	(C) <i>C</i> ℓ <sub>2</sub>		(D) <i>O</i> <sub>2</sub>	
(7)	Aluminium Oxide is	:-	2004) - CE		149-247 (Dol. #)	
540	(A) Acidic Oxide	(B) Basic Oxide	(C) Ampho	oteric Oxide	(D) None	of these
(8)		ed in the Contact Pro			(D) Hone (	or mose
202	(A) <i>Fe</i> <sub>2</sub> <i>O</i> <sub>3</sub>	(B) V <sub>2</sub> O,	(C) <i>SO</i> <sub>3</sub>		(D) <i>Ag</i> <sub>2</sub> <i>O</i>	
(9)	is the strongest		S / 3		(0)	
(~)	(A) <i>HClO</i>	(B) <i>HCℓO</i> ,	(C) <i>HCℓO</i>			
(10)		ACCU SCS	(C) 11020	3	(D) <i>HCℓO</i>	4
(10)	is a typical tr		1221 123			
(11)	(A) Sc	(B) Y	(C) <i>Ra</i>		(D) <i>Co</i>	
(11)	A double bond cons		(A) Two S			
(10)	(B) One Sigma and o			gma and two pi bo	ond (D) Ty	vo pi bonds
(12)		hyl Sulphide is comi		S:-		
	(A) Mustard gas	(B) Laughing gas	(C) Phosge	ne gas	(D) Bio – g	gas
(13)	Benzene cannot und					
	(A) Substitution read			Oxidation reactio	ns (D) Elir	nination reaction
(14)	Elimination bimolect					
	(A) First order kineti			3 <sup>rd</sup> order kinetics	(D) Zero	order kinetics
(15)	Alcohol obtained by	fermentation never e	exceeds:-			
	(A) 14 %	(B) 10 %	(C) 16 %		(D) 95 %	
(16)	Ketones are prepared	d by Oxidation of:-				
	(A) Primary Alcohol	(B) Secondary Alc	ohol (C) Terti	ary Alcohol	(D) All of t	hese
(17)	Acetamide is prepare	ed by:- (A)	Heating Ammo	onium Acetate		
	(B) Heating Methyl	Cyanide	(C) Heating	g of Phthalic Acid	(D) Heatin	g Ethyl Acetate
						- X0

Pape	r Code		2017 (A)	Ro	oll No	
Num	ber: 4486	INTERMEDI	ATE PART	Г-П (12 <sup>th</sup> CLA	SS)	
CHE	MISTRY PAPI			(SESSION 2		GROUP-I
Note: think Cuttir as give	E ALLOWED: 20 You have four cho is correct, fill that cho ig or filling two or n en in objective type BLES are not filled.	ices for each objec ircle in front of tha nore circles will re question paper an	at question nu sult in zero m d leave others	stion as A, B, C a mber. Use mark ark in that quest blank. No cred	and D. The cl cer or pen to t ion. Attempt it will be awa	fill the circles. as many quest rded in case
(1)	$\beta - \beta' - dichloro Et$	hyl Sulphide is con	nmonly known	as:-		
	(A) Mustard gas	(B) Laughing ga	s (C) Phos	sgene gas	(D) Bio -	gas
(2)	Benzene cannot un	dergo:-				
	(A) Substitution rea	ctions (B) Addition	on reactions (	(C) Oxidation read	ctions (D) El	imination react
(3)	Elimination bimole	cular reactions invo	lve:-			
	(A) First order kine	tics (B) Second or	der kinetics	(C) 3 <sup>rd</sup> order kinet	tics (D) Zero	order kinetics
(4)	Alcohol obtained by					
	(A) 14 %	(B) 10 %	(C) 16 %	6	(D) 95 %	
(5)	Ketones are prepare	d by Oxidation of:-	8			
	(A) Primary Alcoho	ol (B) Secondary A	Alcohol (C) T	ertiary Alcohol	(D) All of	fthese
(6)	Acetamide is prepar	red by:- (A	A) Heating An	nmonium Acetate	204	
	(B) Heating Methyl	Cyanide	(C) Hea	ting of Phthalic A	cid (D) Heat	ing Ethyl Acet
(7)	Polypeptide has mo	lecular mass up to:-	1			
	(A) 10,000	(B) 20,000	(C) 100	0	(D) 10	
(8)	polymers is a s	ynthetic polymer.				8
	(A) Animal fat	(B) Starch	(C) Cell	ulose	(D) Polye	ster
(9)	Ammonium Nitrate	fertilizer is not use	d for cr	op.		
	(A) Cotton	(B) Wheat	(C) Sug	ar cane	(D) Paddy	Rice
(10)	Newspaper can be r	ecycled again and a	igain by	times.		
	(A) 2	(B) 5	(C) 4		(D) 3	
(11)	Mark the correct st	atement:-	(A)	Metallic Charact	er decreases a	long a period
(12)	<ul> <li>(B) Metallic Charac</li> <li>(D) Metallic Charac</li> <li>element is dej</li> </ul>		ne down the gr	oup		070 ST
	(A) H <sub>2</sub>	(B) Na	(C) <i>C</i> ℓ <sub>2</sub>		(D) O <sub>2</sub>	
(13)	Aluminium Oxide	is:-				
	(A) Acidic Oxide	(B) Basic Oxide	(C) Am	photeric Oxide	(D) None	of these
(14)	Catalyst is u	sed in the Contact I	Process.			
	(A) $Fe_2O_3$	(B) $V_2 O_5$	(C) SO,		(D) $Ag_2C$	)
(15)	is the stronge	st acid.				
N	(A) <i>HClO</i>	(B) <i>HCℓO</i> ,	(C) HC.	<i>lO</i> ,	(D) <i>HCl</i> (	D.
(16)	1	ransition element.	(0) 110	1.000 <b>3</b>	(-)	300
()	(A) Sc	(B) Y	(C) Ra		(D) <i>Co</i>	
(17)	A double bond cor	1903	odravni oddari	Sigma bond		
				21120		
	(B) One Sigma and	one ni bond	(()) ()ne	Sigma and two pi	bond (D) T	wo ni honda

	MISTRY			OBJEC	(SESSION 2		JM MARKS: 1
Note think Cutti as giv	: You have for is correct, fill ng or filling tw en in objectiv BLES are not	that circle in vo or more cir e type questio	each objective front of that q cles will result n paper and le	e type ques uestion nu in zero ma ave others	tion as A, B, C : mber. Use mar	and D. The ch ker or pen to f tion. Attempt it will be awar	oice which you ill the circles. as many question
(1)	is the st	rongest acid.					
	(A) <i>HCℓO</i>	(B) A	ЧС <i></i> ℓО <sub>2</sub>	(C) <i>HCℓ</i>	$O_3$	(D) <i>HCℓC</i>	D <sub>4</sub>
(2)	is a ty	pical transition	element.				
	(A) Sc	(B)	Y	(C) Ra		(D) <i>Co</i>	
(3)	A double bo	nd consists of:	2 2 2	(A) Two	Sigma bond		
	(B) One Sign	na and one pi b	oond	(C) One	Sigma and two p	i bond (D) T	wo pi bonds
(4)	$\beta - \beta' - dich$	loro Ethyl Sul	phide is commo	only known	as:-		
	(A) Mustard	gas (B) I	aughing gas	(C) Phos	gene gas	(D) Bio -	gas
(5)	Benzene car	not undergo:-					
	(A) Substitut	tion reactions	(B) Addition r	eactions (	C) Oxidation rea	ctions (D) Eli	mination reaction
(6)	Elimination l	bimolecular rea	ctions involve:	-			
	(A) First ord	er kinetics (B	) Second order	kinetics (	C) 3 <sup>rd</sup> order kine	tics (D) Zero	order kinetics
(7)	Alcohol obta	ined by fermer	ntation never ex	ceeds:-			
	(A) 14 %	(B) 1	0 %	(C) 16 %		(D) 95 %	
(8)	Ketones are j	prepared by Ox	tidation of:-				
	(A) Primary	Alcohol (B) S	econdary Alco	hol (C) Te	rtiary Alcohol	(D) All of	these
(9)	Acetamide is	prepared by:-	(A) I	leating Am	monium Acetate	5	
	(B) Heating	Methyl Cyanid	e	(C) Heat	ing of Phthalic A	cid (D) Heati	ng Ethyl Acetate
(10)	Polypeptide	has molecular	mass up to:-				
	(A) 10,000	(B) 2	0,000	(C) 1000		(D) 10	
(11)	polyme	rs is a syntheti	c polymer.				
	(A) Animal f	fat (B) S	tarch	(C) Cellu	llose	(D) Polyes	ster
(12)	Ammonium	Nitrate fertiliz	er is not used fo	or cr	op.		
	(A) Cotton	(B) V	Vheat	(C) Suga	r cane	(D) Paddy	Rice
(13)	Newspaper c	an be recycled	again and agai	n by	_times.		
	(A) 2	(B) :	5	(C) 4		(D) 3	
(14)		rrect statement		and the second	Metallic Charact		<b>-</b> 1
(15)	(D) Metallic	Character rem	ains the same d	own the gro	Metallic Charac oup ectrolysis of brin		
	(A) H <sub>2</sub>	(B) /		(C) <i>Cl</i> <sub>2</sub>		(D) O <sub>2</sub>	
	Aluminium	Oxide is:-		antan tilikiti		100 f 01 0 f	
(16)	· · · · · · · · · · · · · · · · · · ·						
(16)		xide (B) E	asic Oxide	(C) Amp	hoteric Oxide	(D) None (	of these
(16) (17)	(A) Acidic O		asic Oxide e Contact Proce		hoteric Oxide	(D) None	of these

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۱.	B	D	С	D	1.	C	A	A	D
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3.	С	D	С	C	3.	C	D	B	B
4.	С	A	B	C	4.	ß	B	A	A
5.	D	B	B	A	5.	D	С	ß	D
6.	D	A	B	С	6.	D	A	A	B
7.	С	С	D	B	1.	B	С	A	A
8.	С	С	$\mathcal{D}$	B	8.	A	В	$\mathcal{D}$	B
9.	A	D	D	B	9.	D	D	$\mathcal{D}$	A
10.	С	D	A	D	10.	B	D	B	A
11.	B	С	B	D	11.	A	B	C	D
12.	B	C	A	D	12.	B	A	A	D
13.	B	A	С	A	13.	A	D	С	B
14.	D	С	С	B	14.	A	B	В	С
15.	D	B	$\mathcal{D}$	A	15.	D	A	D	A
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ثانوی و اعلیٰ ثانوی تعلیمی بورڈ، ملتان

مورد <u>I = 3 - 5 - 23 معمون: Chemistry بچن IIX</u> گروپ: <u>I</u> جزل بدایات برائ مارکنگ Key اولد کم مرارکنگ سیم) انٹر پارٹ قر مسٹو اسیکنڈ سالاند التخفی امتحان 2017ء

Sr #	Code	Error Indicated	Sr #		Error Indicated	
1.	UN	Un-Necessary	8.	SP	Spelling Error	
2.	Ir	Irrelevant	9.	P	Punctuation	
3.	IN	Incomplete	10.	Wo	Wrong word error	
4.	EX	Extra	11.	Wt	Wrong Tense	
5.	Rp	Re-Produced	12.	Wf	Wrong Form Over Attempt	
6.	1	Insufficient	13.	0A	Over Attempt	
7.	Gr	Grammar Error سے کم نمبرلگانے کی صورت میں وہ		1		
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