## INTERMEDIATE PART-II (12th CLASS)

(SESSION 2015-2017) GROUP-I (NEW SCHEME) CHEMISTRY PAPER-II MAXIMUM MARKS: 68 **SUBJECTIVE** TIME ALLOWED: 2.40 Hours NOTE: - Write same question number and its part number on answer book, as given in the question paper. SECTION-I  $8 \times 2 = 16$ Attempt any eight parts. 2. Define Hydration Energy. Give one example. (i) Why diamond is non-conductor of electricity while graphite is a good conductor? (ii) What happens when the following compounds are heated? (a) LiOH (iii) Which two major problems are faced during working of diaphragm cell? (iv) Write down chemical formula of Colemanite and Bauxite. (v) Why are liquid Silicones preferred over Ordinary Petroleum Oil? (vi) Give two chemical reactions to prove that  $NO_2$  is an Oxidizing Agent. (vii) Write two precipitation reactions of Sulphuric Acid. (viii) Why group IIB elements are called Non-typical Transition elements? (ix) What are Ligands? Give two examples. (x) What is Ecosystem? (xi) How does increasing concentration of detergents affect the aquatic life? (xii)  $8 \times 2 = 16$ Attempt any eight parts. 3. What is Teflon? Give its uses. (i) Why the Oxyacids of Chlorine are stronger than Oxyacids of Bromme (ii) 1 - Butene does not show Cis-trans isomerism but 2 - Butene does. Justi y this statement. (iii) (b) Hybridization Define the terms:- (a) Fractional distillation (iv) Write chemical equations for preparation of propene from:-(v) (b) CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>OH (a)  $CH_1CH_2CH_2Br$ What is Polymerization? How high quality polyethylene is obtained from Ethene? (vi) Define Resonance and Resonance Energy. (vii) What are objections to Kekule's formula? (viii) Justify the given order of reactivity on the basis of bond energy  $R-I>R-Br>R-C\ell>R-F$ (ix) Complete the following reactions:-(x)  $CH_2 - Br + CH_3COO^-Na^+ \longrightarrow$ (b) (a)  $CH_3CH_2 - Br + CH_3O^- \longrightarrow$ What is meant by denaturing of Alcohol? (xi) Give reactions of Phenol with:e water (b) Conc H<sub>2</sub>SO<sub>4</sub> (xii)  $6 \times 2 = 12$ Attempt any six parts. Convert Acetaldehyde to 1 (i) Convert Acetone to Acetic (ii) Draw the structural formula of (a) Epichlorohydrin (b) Diphenylol Propane (iii) What is condensation polymerization? Give a reaction. (iv) Draw the structural formulas of (a) Valeric acid What are Amino Acids? Give two examples. (b) Phthalic acid (v) (vi) What are Carbohydrates? How are they classified? What are Fertilizers? Why are they needed? (vii) (viii) What is the composition of Lime and Silica of good Cement? (ix) SECTION-II NOTE: - Attempt any three questions. Explain the position of Hydrogen in 1st A group of periodic table with two similarities and 5.(a) 2 + 2two differences. Describe four peculiar behaviour of Beryllium. (b) Explain Bessemer's Process for manufacturing of Steel with the help of diagram. 1 + 36.(a) Where does Ozone exist in atmosphere? What is Ozone hole? (b) Write role of CFCs in destroying ozone. 1 + 1 + 2Define  $sp^2$  hybridization. Explain the structure of Ethene on the basis of  $sp^2$  hybridization. 4 7.(a)What are  $S_N$  reactions? Explain  $S_N 2$  reactions in detail. 4 (b) How will you make the following conversions? 8.(a) 4 n - prophyl bromide into propane (ii) Propanoic acid into Ethane (iv) 2 - Butyne into Cis - 2 - Butene Ethane into Methane (iii) What types of Aldehydes give Cannizzaro's reaction? Give its mechanism. (b) Describe Nitration and Sulphonation of Benzene with Mechanism. 4 9.(a)

Explain the following terms using Ethyl Alcohol as an example:-

(iii) Esterification

(ii) Dehydration

(b)

(i) Oxidation

(iv) Ether formation

•					
Paper	Code	20	17 (A)	Roll No	
Numl	per: 4481		E PART-II (12 <sup>th</sup> C	CLASS)	
CHE	MISTRY PAPE	CR-II (NEW SCH	IEME) (SESSIC	ON 2015-2017)	GROUP-I
Note: think i Cuttin as give	is correct, fill that ci ig or filling two or m on in objective type of LES are not filled.	Minutes ices for each objective rcle in front of that qu tore circles will result question paper and lea Do not solve question	nestion number. Use in zero mark in that a ve others blank. No	B, C and D. The chemarker or pen to to question. Attempt credit will be aware	ill the circles. as many questions
(1)		e size of atoms,o	order 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) $N_2O_3$	(C) N <sub>2</sub> O <sub>4</sub>	(D) $N_2O_3$	
(5)	The anhydride of H	CℓO₄ is:-	N. 10.11		
	(A) <i>ClO</i>	(B) $C\ell O_2$	(C) ClO <sub>3</sub>	(D) CV D7	
(6)	Coordination number	er of $Pt$ in $[PtC\ell(NC)]$	$(NH_1), J^2$ (A- (C) 1	(D) 6	
(7)	Ether shows the phe	nomenon of:-		Section 14	
	(A) Position Isomer	ism (B) Functional gro	oup isomerism (C) M	etamerism (D) C	is – trans isomerism
(8)	Vinyl acetylene com	nbines with HCl to for	me		
	(A) Polyacetylene	(B) Benzene	(C) Chloroprene	(D) Divinyl Acet	ylene
(9)	acid can be u	used as a catalyst in Enie	edel-Craft's reactions.		
	(A) AlCl <sub>3</sub>	(B) <i>HNO</i> <sub>3</sub>	(C) Be Cl <sub>2</sub>	(D) NaCℓ	
(10)	is not a Nuc	kophile.			
(11)	(A) H <sub>2</sub> O According to Lewis	(B) $H_2S$ s concept, ethers behave	(C) BF <sub>3</sub>	(D) NH <sub>3</sub>	
	(A) Acid	(B) Base	(C) Acid as well as a	a base (D) Electro	phile
(12)	The carbon atom of	a Carbonyl group is:-			
	(A) sp hybridized	(B) sp <sup>2</sup> hybridized	(C) sp3 hybridized	(D) dsp2 hybridia	zed
(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 between	en fat and NaOH is call	led:-		
	(A) Esterification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponificatio	n
(16)	Phosphorus helps th	ne growth of:-			
	(A) Root	(B) Leave	(C) Stem	(D) Seed	
(17)	is a secondary	Brance Trans			
	(A) Carbonic acid	(B) CO <sub>2</sub>	(C) SO <sub>2</sub>	(D) CO	

Paper	4.400		7 (A)	Roll No
Numb	per: 4483	INTERMEDIAT	E PART-II (12 <sup>th</sup> C	CLASS)
CHEN	MISTRY PAPE	R-II (NEW SCH	EME) (SESSIC	N 2015-2017) GROUP-I
TIME Note: think i	ALLOWED: 20 M You have four chois s correct, fill that cing g or filling two or m in in objective type of LES are not filled.	Minutes  ces for each objective  cele in front of that qu  ore circles will result i	OBJECTIVE type question as A, B estion number. Use a in zero mark in that o ve others blank. No	MAXIMUM MARKS: 17 8, C and D. The choice which you marker or pen to fill the circles. question. Attempt as many questions credit will be awarded in case
(1)	is used in th	e manufacture of synth	etic fibre.	
	(A) Formic acid	(B) Oxalic acid	(C) Amino acid	(D) Acetic acid
(2)	The reaction between	n fat and NaOH is call	ed:-	
	(A) Esterification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
(3)	Phosphorus helps th	e growth of:-		
	(A) Root	(B) Leave	(C) Stem	(D) Seed
(4)	is a secondary	pollutant.		
	(A) Carbonic acid	(B) CO <sub>2</sub>	(C) SO <sub>2</sub>	(D) CQ
(5)	Keeping in view the	e size of atoms,	order is correct one.	
	(A) $Mg > Sr$	(B) $Ba > Mg$	(C) $Lu > Ce$	(D) Cl > I
(6)	The mineral CaSO <sub>4</sub>	$2H_2O$ has the general i	name:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(7)	element is no	t present abundantly in	earth's crust.	
	(A) Silicon	(B) Aluminium	(C) Sodium	(D) Oxygen
(8)	Oxidation of NO in	air produces:-		
	(A) N <sub>2</sub> O	<b>(B)</b> $N_2O_3$	(C) N <sub>2</sub> O <sub>4</sub>	(D) $N_2O_5$
(9)	The anhydride of H	ClO <sub>4</sub> is:-		
	(A) <i>ClO</i>	(B) C(O <sub>2</sub>	(C) ClO,	(D) Cl <sub>2</sub> O <sub>7</sub>
(10)		er of Pt in PtCl(No	) (NH ) 12- ie-	A 160
(10)	(A) 2	(B) 4	(C) 1	(D) 6
(11)	Ether shows the pho	enomenon of:-	1903	31.7
2015	(A) Position Isomer	ism (B) Functional gro	oup isomerism (C) M	letamerism (D) Cis – trans isomerism
(12)		nbines with $HC\ell$ to fo		
	(A) Polyacetylene	(B) Benzene	(C) Chloroprene	(D) Divinyl Acetylene
(13)	acid can be t	ised as a catalyst in Frie	edel-Craft's reactions.	
	(A) AlCl <sub>3</sub>	(B) HNO <sub>3</sub>	(C) BeCl <sub>2</sub>	(D) NaCl
(14)	is not a Nuc	leophile.		
	(A) H <sub>2</sub> O	(B) H <sub>2</sub> S	(C) BF <sub>3</sub>	(D) NH,
(15)	N 9 3	concept, ethers behave		(2)
Ver 32	(A) Acid	(B) Base		a base (D) Electrophile
(16)	The carbon atom of	a Carbonyl group is:-		
	(A) sp hybridized	(B) sp <sup>2</sup> hybridized	(C) sp3 hybridized	(D) dsp2 hybridized
(17)	Acetic acid is manu	ifactured by:-		
100 C 100	(A) Distillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification

Paper	Code	10-		20	017 (A)		Roll No	
Numb	oer: 44	485	INT	ERMEDIA	TE PART	Γ-II (12 <sup>th</sup> C	CLASS)	
CHE	MISTRY	PAPE	R-II	(NEW SC	HEME)	(SESSIC	ON 2015-2017)	GROUP-I
Note: think i Cuttin as give BUBB Q.No.1	s correct, fi g or filling n in objecti LES are no	four choi ill that cir two or m ive type q et filled.	ces for cle in f ore circ uestion Do not	each objective front of that of eles will result to paper and le solve questio	question nu t in zero m eave others n on this sl	stion as A, E mber. Use ark in that o blank. No	MAXIMO B, C and D. The cl marker or pen to question. Attempt credit will be awa ECTIVE PAPER.	fill the circles. as many question rded in case
(1)	TUSTED BY ME			ith $HC\ell$ to fo				v.
	(A) Polyac		0.70.000.000.00	enzene	(C) Chlo	erica <del>ri</del> ce del colo	(D) Divinyl Acet	ylene
(2)				catalyst in Fr				
	(A) AlCl:	3	(B) H	$INO_3$	(C) Be (	$C\ell_2$	(D) NaCℓ	
(3)	is r	not a Nucl	eophile					
	(A) $H_2O$		(B) F	$I_2S$	(C) BF <sub>3</sub>		(D) NH <sub>3</sub>	
(4)	According	to Lewis	concept	, ethers behav	e as:-			
	(A) Acid		(B) B	ase	(C) Acid	l as well as a	base (D) Electro	hile
(5)	The carbon	atom of a	Carbo	nyl group is:-				
	(A) sp hyb	oridized	(B) s <sub>I</sub>	p <sup>2</sup> hybridized	(C) sp <sup>3</sup>	hybridized	(D) dsp hybridi	zed
(6)	Acetic acid	d is manuf	actured	by:-				
	(A) Distill	ation	(B) F	ermentation	(C) Ozo	nolysis	(D) Esterification	Î
(7)	is u	sed in the	manuf	acture of synt	hetic fibre.			
	(A) Formi	c acid	(B) O	xalic acid	(C) Ami	no acid	(D) Acetic acid	
(8)	The reaction	n between	fat and	1 NaOH is ea	itled:-			
	(A) Esterif	ication	(B) H	ydrogenolysis	(C) Fern	nentation	(D) Saponificatio	n
(9)	Phosphorus	s helps the	growth	10/-			*************************************	
	(A) Root	22	(B) L	eave	(C) Sten	n	(D) Seed	
(10)	is a	secondary	polluta	int,				
	(A) Carbon	nic acid	(B) C	$O_2$	(C) SO <sub>2</sub>		(D) CO	
(11)	Keeping in	view the	size of	atoms,	order is cor	rect one.		
	(A) Mg >			a > Mg	(C) Lu :		(D) $C\ell > I$	
(12)	The minera	l CaSO <sub>4</sub>	2 <i>H</i> <sub>2</sub> <i>O</i> h	as the general	name:-			
(8.5-26)	(A) Gypsui			olomite	(C) Calc	ite	(D) Epsom salt	
(13)				abundantly in			(b) Epsoni sait	
()	(A) Silicon			luminium	(C) Sodi		(D) Oxygen	
(14)	Oxidation of		10 00		(0) 500	uiii	(b) Oxygen	
X7	(A) N <sub>2</sub> O	56.900.75/4.676.)	(B) Λ		(C) N <sub>2</sub> C	)	(D) N <sub>2</sub> O <sub>5</sub>	
(15)		ide of D			(0) 1120	4	(D) 11203	
(15)	The anhydr	ide of HC	2073 00000 - 60		02946V T 5146000			
	(A) ClO		(B) C	$\ell O_2$	(C) ClO	) <sub>3</sub>	(D) $C\ell_2O_7$	
(16)		on number	of Pt	in [PtCl(N	$(O_2)$ $(NH_3)$	4]2- is:-		
	(A) 2		(B) 4		(C) 1		(D) 6	

(17)

Ether shows the phenomenon of:-

(A) Position Isomerism (B) Functional group isomerism (C) Metamerism (D) Cis – trans isomerism 23(Obj)( \$\frac{1}{2} \frac{1}{2} \frac{1}{

s.							(4)	
Paper	Code			20	17 (A)		Roll No	
Numb	er:	4487	INTE	RMEDIAT	E PAR	Г-II (12 <sup>th</sup> С	LASS)	
CHE	MISTI	RY PAPI	ER-II	(NEW SCI	HEME)	(SESSIC	N 2015-2017	) GROUP-I
TIME Note: think i Cutting	ALLO You h s corred g or fill en in ob LES ar	OWED: 20 ave four cho ct, fill that c ling two or n jective type	Minutes pices for e ircle in fr nore circl question	ach objective ont of that qu es will result paper and lea	type que uestion nu in zero m ave others	mber. Use in ark in that of blank. No	, C and D. The	MUM MARKS: 17 choice which you to fill the circles. pt as many questions warded in case R.
-		hydride of H	IClO <sub>4</sub> is:-	-				
	(A) C	10	(B) Cl	$O_2$	(C) Cl(	03	(D) $C\ell_2O_7$	
(2)	Coordi (A) 2	nation numb	er of <i>Pt</i> i (B) 4	n [PtCl(NO	O <sub>2</sub> ) (NH <sub>3</sub> ) (C) 1	<sub>4</sub> ] <sup>2-</sup> is:-	(D) 6	
(3)		hows the pho						
	35 .55			Functional gr	8	rism (C) M	etamerism (D)	) Cis – trans isomerism
(4)	50000000000	17.50 L. 17.50		th <i>HCℓ</i> to for			(D) D	out Jana
(5)	(A) Po	lyacetylene	(B) Be		180212000	oroprene	(D) Divinyl A	ectylene
(5)	(A) A		(B) H	catalyst in Fri	(C) Be		(D) NaC(	
(6)	20. 83	is not a Nuc	8.8		(0) De			
(0)			eterit topperen	C	(C) DE		ON MH	
(7)	(A) H Accord	= 1	(B) H s concept,	ethers behave	(C) BF		(D) NH <sub>3</sub>	
	(A) A	200 B)	(B) Ba		5,000	d as well as a	base (D) Elec	trophile
(8)	The ca	rbon atom of	a Carbon	yl group is:				82
	(A) sp	hybridized	<b>(B</b> ) sp	<sup>2</sup> hybridized	(C) sp <sup>3</sup>	hybridized	(D) dsp2 hybr	idized
(9)	Acetic	acid is many	factured b	y:-				
	(A) D	istillation	(B) Fe	rmentation	(C) Ozo	onolysis	(D) Esterificat	ion
(10)	-	_ is used in	he manu?	acture of syntl	hetic fibre			
	(A) F	ormic acid	(B) Ox	calic acid	(C) Am	ino acid	(D) Acetic acid	d
(11)	The re	action between	en fat and	NaOH is cal	lled:-			
	(A) Es	terification	(B) H <sub>2</sub>	drogenolysis	(C) Fer	mentation	(D) Saponifica	ntion
(12)	Phosp	horus helps t	he growth	of:-				
	(A) Ro	oot	(B) Le	ave	(C) Ster	n	(D) Seed	
(13)	<u> </u>	is a secondar	ry pollutar	nt.				
	(A) Ca	arbonic acid	(B) C	$O_2$	(C) SO	2	(D) CO	
(14)	Keepi	ng in view th	ne size of a	atoms,	order is co	rrect one.		
	(A) M	lg > Sr	(B) Bo	a > Mg	(C) Lu	> Ce	(D) $C\ell > I$	
(15)	The m	ineral CaSO	$4.2H_{2}O$ ha	as the general	name:-			
	(A) G	ypsum	(B) Do	olomite	(C) Cal	cite	(D) Epsom sal	t
(16)		element is no	ot present	abundantly in	earth's cr	ust.		
	(A) Si	licon	(B) Al	uminium	(C) Sod	ium	(D) Oxygen	
(17)	Oxidat	ion of NO is	n air prod	ices:-				
	(A) A	$I_2O$	(B) N	$_{2}O_{3}$	(C) $N_2$	$O_4$	(D) $N_2O_5$	

# 

TI	ME Al	LLOWED: 2.40 Hours	<b>SUBJECTIVE</b>	MAXIMUM MARKS: 68
NO	TE: - '	Write same question number	er and its part number on answ	er book,
	1	as given in the question pap		
_		to the same almbet manufa	SECTION-I	$8 \times 2 = 16$
2.	/:\	Attempt any eight parts.	y atomic radii of I A group elem	
	(i)			
	(ii)		llowing ions are in order. Explai	$\ln A\ell^{-} > Mg^{-} > Na^{-}$
	(iii)	What is the importance of S	[8] [4] [5] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	
	(iv)		on is more basic than LiOH?	
	(v)	Aluminium sheets are said t	[1일 이렇게는 [1일] (24일 이 [2일 2일 2	WINDS PARAGONIS PRANTO SUSPICIONES
	(vi)	Give peculiar behavior of C	Carbon with 1VA group elements.	Give two points of differences.
	(vii)	What is the effect of Tempe	rature on $N_2O_4$ ?	
	(viii)	Mention allotropic forms of	VIA group elements.	
	(ix)	What are Substitutional Alle	oys?	
	(x)	Under what conditions does	Signa and Signa and an art of the part of the same of	
	(xi)		done by a process transformation	?
	(xii)	What are harmful effects of	Chlorination of Water?	4 88 8
3.		Attempt any eight parts.		$8\times 2=16$
	(i)	Why HF is weaker acid th		
	(ii)		n Reactions? Give an example.	
	(iii)		ical isomerism but 1 - Butene do	es not show. Why?
	(iv)		unds? Give two examples.	
	(v)	그 사람들이 많아 있는데 회에 이 사람들이 아름답니다. 그는 이번 이번 시간에 다 하는데 나를 하는데 하지 않아 있다.	ed by Wolf Kishner's Reaction?	
	(vi)	How Ethene can be conver		C004 G 0
	(vii)		ne is heated with conc. H.SO. a	t 80 C 7
	(viii)	Give Mechanism of Nitrati		
	(ix)		prepared from Alkyl Halides?	
	(x)	Which factor decides the re		
	(xi)	Write the structural formula What is meant by Denaturi		artaric Acid
4.	(xii)	Attempt any six parts.	ing of Alcoholy	6-2-12
٦.	(i)	이 경기되었다면 가게 되었다면서 가게 되었다면 이 등에 살아내면 하지만 하게 되었다면 하게 되었다. 그 모든 모든	between Methanol and Ethanol?	$6\times 2=12$
	(ii)			ivatives with carbonyl Compounds.
	(iii)	Write the structural formu	la of Phthalic Acid and Malonic	acid
	(iv)	Define essential and Non-		uciu.
	(v)	Define Copolymers with o		
	(vi)	How are Proteins denature	and the second s	
	(vii)		erature on Enzyme Activity?	
	(viii)	What are Macro-nutrients'	? Write their names.	
	(ix)	What are the reactions tak	ing place between one to seven d	ays in setting of Cement?
			SECTION-II	os 259
		Attempt any three question		
5.(	a) Ex	plain Sixth and 7 <sup>th</sup> period of	Periodic Table.	2 + 2

	SECTION-II		
	E: - Attempt any three questions.		
5.(a)	Explain Sixth and 7 <sup>th</sup> period of Periodic Table.	2 + 2	
(b)	How & why Beryllium differs from its group members?	+ 3	
6.(a)	Explain open hearth process for the manufacture of Steel.	4	
(b)	Why is Ozone layer depleting? What will happen when concentration of Ozone will be decrea	ised?	4
7.(a)	Write a short note on Reforming?	4	
(b)	Give two chemical reactions which are used for increasing Carbon Chain?	4	
8.(a)	How does Propyne react with following reagents?	4	
	(i) $AgNO_3/NH_4OH$ (ii) $Cu_2C\ell_2/NH_4OH$ (iii) $H_2O/H_2SO_4$ $HgSO_4$ (iv) $NaNH_2$		
(b)	What are Condensation Reactions? Explain Aldol condensation with three examples.	4	
9.(a)	Discuss the stability of benzene in detail with reference to 1, 3, 5 cyclohexatriene.	-4	
(b)	What is Fermentation? How Ethyl Alcohol can be prepared by this method from Molasses,	4	
	24-2017(A)-6000 (MULTAN)		

Paper	Code

2017 (A) Roll No.\_\_

## 4482 INTERMEDIATE PART-II (12th CLASS)

## CHEMISTRY PAPER-II (NEW SCHEME) (SESSION 2015-2017) GROUP-II

TIME	ALLOWED: 20	Minutes	OB	<b>JECTIVE</b>	MA	XIMUM MARKS: 17	
Note: think i Cuttin as give	You have four cho is correct, fill that c ig or filling two or n en in objective type	vices for each objective ircle in front of that of the control of	question It in zer eave ot	n number. Use mark	er or p on. At t will b	ttempt as many questions be awarded in case	
Q.No.	1						
(1)	Mark the correct st			(A) Metallic Characte		CONTRACTOR OF THE STATE OF THE	
(2)	(D) Metallic Charac	cter remains the same	down th	(C) Metallic Character the group the electrolysis of bring			
	(A) H <sub>2</sub>	(B) Na	(C)	$C\ell_2$	(D	) O <sub>2</sub>	
(3)	Aluminium Oxide i	s:-					
	(A) Acidic Oxide	(B) Basic Oxide	(C)	Amphoteric Oxide	(D	None of these	
(4)	Catalyst is us	sed in the Contact Prod	cess.				
	(A) Fe <sub>2</sub> O <sub>3</sub>	(B) $V_2O_5$	(C)	$SO_3$	(D)	19.0	
(5)	is the stronges	t acid.		7.1			
	(A) HClO	(B) <i>HClO</i> ,	(C)	HClO <sub>1</sub>	(O)	HClO,	
(6)	AND THE RESIDENCE AND THE RESI	ansition element.	(-)		1	, 110004	
(0)	(A) Sc	(B) Y	(C)	Pa	(D)	V Co	
(7)	A double bond con	93	8.2	Two Sigma bond	(D	) Co	
(,)	(B) One Sigma and one pi bond			20 20	bond	(D) Two ai banda	
(8)		thyl Sulphide is com	(C) One Signal and two pi bond (D) Two pi bonds				
(0)	(A) Mustard gas				(D)	D.	
(0)	Benzene cannot un	(B) Laughing gas		hosgene gas	(D	) Bio – gas	
(9)			apatia	· · · (C) O.: I.:	##SIRES 1	(D) DI · · ·	
(10)	CONTRACTORY TO PROPERTY TRACES	cular reactions involve		is (C) Oxidation reac	tions	(D) Elimination reactions	
(10)		A CONTRACTOR OF THE CONTRACTOR		es (C) 3 <sup>rd</sup> order kineti	(T	N 7 1 11	
(11)		y fermentation never			es (i	J) Zero order kinetics	
32.52	(A) 14 %	(B) 10 %		 16 %	(D)	95 %	
(12)		ed by Oxidation of:-	(0)	10 70	(1)	195 70	
	NULLETTE SET SET	ol (B) Secondary Alco	ohol ((	C) Tertiary Alcohol	(D)	All of these	
(13)	Acetamide is prepa	Tara Caranta		Ammonium Acetate	(1)	An or these	
	(B) Heating Methyl	r-score-mark	-000-2000-2000-		id (D	) Heating Ethyl Acetate	
(14)	Sall La Prov	olecular mass up to:-			(5	) Freding Emyl Rectate	
	(A) 10,000	(B) 20,000	(C)	1000	(D)	10	
(15)	polymers is a	synthetic polymer.	//4///500			OTTORILLE	
	(A) Animal fat	(B) Starch	(C)	Cellulose	(D)	Polyester	
(16)	Ammonium Nitrate	fertilizer is not used f	or	_ crop.		2 · · · · · · · · · · · · · · · · · · ·	
	(A) Cotton	(B) Wheat	0.0000000000000000000000000000000000000	Sugar cane	(D)	Paddy Rice	
(17)	Newspaper can be re	ecycled again and agai	in by _	times.	18738	sana Janet Microl (1941)	
	(A) 2	(B) 5	(C)	4	(D)	3	

Pap	er Code	7	017 (A)	Roll No.	
Nun	nber: 4484		TE PART-II (12th	emotivation Material Conference	
CHI	MISTRY PAP		CHEME) (SESS		CROUP-II
		est manufacture (St.	38.9 335		
Note think Cutti as giv BUB Q.No	t is correct, fill that of ing or filling two or in objective type BLES are not filled.	oices for each objectivircle in front of that more circles will resu question paper and Do not solve question	OBJECTIVE ve type question as A question number. Us lt in zero mark in tha leave others blank. N on on this sheet of OB	B, C and D. The c e marker or pen to t question. Attempt o credit will be awa	fill the circles. as many question rded in case
(1)	(A) 10,000	olecular mass up to:- (B) 20,000	(C) 1000	(D) 10	
(2)	ALTHORN DEATHS OF THE PROPERTY	synthetic polymer.	(C) 1000	(D) 10	
(2)	(A) Animal fat	3 186 3	(C) Cellulose	(D) Palva	
(3)	A STATE OF THE STA	e fertilizer is not used t	7.67	(D) Polye	ster
(3)	(A) Cotton	(B) Wheat	(C) Sugar cane	(D) Padd	, Diag
(4)	0.8	recycled again and aga	Alore Care	(D) Padd	Rice
(4)	(A) 2	(B) 5	(C) 4	(D) 2	
(5)	Mark the correct st		oranseces esse	Character decreases a	
(6)	(B) Metallic Chara (D) Metallic Chara	cter increases along a	period (C) Metallic	Character increases d	own the group
	(A) H <sub>2</sub>	(B) Na	(C) C()	(D) O <sub>2</sub>	
(7)	Aluminium Oxide i	s:-	200	×450000±	
540	(A) Acidic Oxide	(B) Basic Oxide	(C) Amphoteric Ox	ride (D) None	of these
(8)	Catalyst is u	sed in the Contact Pro-	122	(2)	or mese
	(A) Fe <sub>2</sub> O <sub>3</sub>	(B) V <sub>2</sub> O <sub>5</sub>	(C) SO <sub>3</sub>	(D) Ag <sub>2</sub> (	)
(9)	is the stronges	COMMON CO		(-) 82	
100.00	(A) <i>HCℓO</i>	(B) HC(O)	(C) HClO <sub>3</sub>	(D) HC#	2
(10)	De Water Section	ansition element.	(C) 11CtO3	(D) <i>HCle</i>	94
()	(A) Sc	IBY Y	(C) Ra	(D) Co	
(11)	A double bond con	nsists of	(A) Two Sigma box	10/21	
20. 2	(B) One Sigma and			two pi bond (D) T	wo ni bondo
(12)	NOTE BOWN NO DOWN THE	Ethyl Sulphide is comn		(b) I	no pi bolius
	(A) Mustard gas	(B) Laughing gas	(C) Phosgene gas	(D) Bio -	gas
(13)	Benzene cannot un	dergo:-			

(A) Substitution reactions (B) Addition reactions (C) Oxidation reactions (D) Elimination reactions

(14) Elimination bimolecular reactions involve:-

(A) First order kinetics (B) Second order kinetics (C) 3<sup>rd</sup> order kinetics (D) Zero order kinetics

(15) Alcohol obtained by fermentation never exceeds:-

(A) 14 % (B) 10 % (C) 16

(C) 16 % (D) 95 %

(16) Ketones are prepared by Oxidation of:-

(A) Primary Alcohol (B) Secondary Alcohol (C) Tertiary Alcohol

(D) All of these

(17) Acetamide is prepared by:-(B) Heating Methyl Cyanide

(A) Heating Ammonium Acetate

(C) Heating of Phthalic Acid (D) Heating Ethyl Acetate

					x-	
Pape	er Code	2	017 (A)	Ro	ll No	
Num	1ber: 4486	INTERMEDIA	7. 7.	Γ-II (12 <sup>th</sup> CLAS	SS)	
CHE	MISTRY PAPI	ER-II (NEW SO	CHEME)	(SESSION 2	015-2017)	<b>GROUP-II</b>
TIM: Note think Cutti as giv	E ALLOWED: 20 E: You have four che is correct, fill that c ing or filling two or r yen in objective type BLES are not filled.	Minutes  oices for each objective  ircle in front of that of  nore circles will resure  question paper and le  Do not solve question	OBJECT Ve type que question nu lt in zero me leave others on on this si	CTIVE stion as A, B, C a mber. Use mark ark in that questi blank. No credi heet of OBJECTI	MAXIMO nd D. The cl er or pen to ion. Attempt t will be awa	JM MARKS: 17 hoice which you fill the circles. as many question rded in case
(1)	$\beta - \beta'$ – dichloro E	thyl Sulphide is comm	only knowr	as:-		
	(A) Mustard gas	(B) Laughing gas	(C) Pho	sgene gas	(D) Bio -	gas
(2)	Benzene cannot un	STATE STATE VERNER			\$ 55550	
10000	27000 PV PUR ARREST VI	actions (B) Addition		(C) Oxidation reac	tions (D) El	imination reactions
(3)		cular reactions involve		ed		
		etics (B) Second orde		(C) 3 <sup>rd</sup> order kinet	ics (D) Zero	order kinetics
(4)	III DOOMONTIN IN ARADO	fermentation never ex		9		
	(A) 14 %	(B) 10 %	(C) 16 9	6	(D) 95 %	
(5)	1951 (5)	ed by Oxidation of:-				***
935R		ol (B) Secondary Alc	200 CV		(D) All of	these
(6)		red by:- (A)			022007429-1-10	a razare kantra sera
	(B) Heating Methy	59	(C) Hea	ting of Phthalic Ac	cid (D) Heat	ing Ethyl Acetate
(7)	no de la company	olecular mass up to:-			72251 535	
(0)	(A) 10,000	(B) 20,000	(C) 100		(D) 10	
(8)		synthetic polymer.				8
(0)	(A) Animal fat	(B) Starch		ulose	(D) Polye	ster
(9)		fertilizer is not used i		op.	072027070207070979	District Control
(1.0)	(A) Cotton	(B) Wheat	(C) Sug		(D) Paddy	y Rice
(10)	1.2010.00G.7:	recycled again and age	100 AV 100	times.		
nageagy	(A) 2	(B) 3	(C) 4		(D) 3	
(11)	Mark the correct st		0.53-5	Metallic Characte		
(12)	(D) Metallic Chara	cter increases along a positer remains the same posited at the Cathode	down the gr	oup		이전 기준기
	(A) H <sub>2</sub>	(B) Na	(C) Cl 2		(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 Pro	ocess.			
	(A) $Fe_2O_3$	(B) $V_2O_5$	(C) SO <sub>3</sub>		(D) Ag <sub>2</sub> (	)
(15)	is the stronge	st acid.				
	(A) HClO	(B) <i>HClO</i> <sub>2</sub>	(C) HC	$\ell O_3$	(D) <i>HCle</i>	0,
(16)	250	ransition element.	11 mars	······································	A PARTITION OF STATE	W.
V	(A) Sc	(B) <i>Y</i>	(C) Ra		(D) Co	
(17)	A double bond con	48001500	odestri conserv	Sigma bond	,	
-			100	1.00		

(B) One Sigma and one pi bond

(C) One Sigma and two pi bond (D) Two pi bonds

S.						g)	
Pape	er Code	4.400		2017 (A)	R	oll No	
Num	ber:	4488	INTERM	IEDIATE PAR	T-II (12th CLA	ASS)	
CHE	MISTI	RY PAPE	R-II (NI	EW SCHEME)	(SESSION	2015-2017)	GROUP-II
TIMI	E ALLO	WED: 20	Minutes	OBJE	CTIVE	MAXIMU	UM MARKS: 17
Note think Cuttin as giv	: You had is correct to be seen in observations in SLES ar	ave four cho ct, fill that ci ing two or m jective type	ices for each rcle in front iore circles w question pap	objective type que	estion as A, B, C umber. Use mar nark in that ques s blank. No cree	ker or pen to f stion. Attempt lit will be awa	fill the circles. as many questions rded in case
(1)		the strongest	t acid.				
	(A) H	ClO	(B) <i>HClO</i> :	(C) HC	$^{\prime\prime}\ell O_{3}$	(D) <i>HCl</i> (	$O_4$
(2)	i	is a typical tra	ansition eleme	ent.			
	(A) Sc		(B) Y	(C) Ra		(D) Co	
(3)	A doub	ble bond cons	sists of:-	(A) Tw	o Sigma bond		
	(B) On	e Sigma and	one pi bond	(C) One	e Sigma and two	pi bond (D) T	wo pi bonds
(4)	$\beta - \beta'$	- dichloro Et	hyl Sulphide	is commonly know	n as:-		
	(A) Mu	ıstard gas	(B) Laughi	ng gas (C) Pho	sgene gas	(D) Bio-	gas
(5)	Benze	ne cannot une	dergo:-				
	(A) Su	bstitution rea	ctions (B) A	Addition reactions	(C) Oxidation re-	actions (D) El	mination reactions
(6)	Elimina	ation bimolec	ular reactions	s involve:-			
	(A) Fir	st order kinet	tics (B) Seco	ond order kinetics	(C) 3 <sup>rd</sup> order kind	tics (D) Zero	order kinetics
(7)	Alcoho	l obtained by	fermentation	never exceeds:-			
	(A) 14	%	(B) 10 %	(C) 16	%	(D) 95 %	
(8)	Ketone	s are prepare	d by Oxidatio	on of:-			
	(A) Pri	mary Alcoho	I (B) Second	lary Alcohol (C)	Tertiary Alcohol	(D) All of	these
(9)	Acetan	nide is prepar	ed by:-	(A) Heating Ar	mmonium Acetate	е	
	(B) He	ating Methyl	Cyanide	(C) Hea	ating of Phthalic	Acid (D) Heat	ing Ethyl Acetate
(10)	Polype	ptide has mo	lecular mass	up to:-			
	(A) 10	(1848)S	(B) 20,000		0	(D) 10	
(11)			synthetic poly	mer.			
10431401		imal fat	(B) Starch	(C) Cel		(D) Polye	ster
(12)				ot used for	11000		
	(A) Co		(B) Wheat		ar cane	(D) Paddy	Rice
(13)		aper can be re	369,670 - 07	and again by	times.		
Z1:45	(A) 2	•	(B) 5	(C) 4		(D) 3	
(14)		he correct sta			) Metallic Charac		1.70
(15)	(D) Me	etallic Charac	ter remains th	along a period (Cale same down the gathode during the	roup		
	(A) H	1	(B) Na	(C) Cl	2	(D) O <sub>2</sub>	
(16)	Alumi	nium Oxide i	s:-	00.FX 125.FX		Vence Biological Attack	
	(A) Ac	idic Oxide	(B) Basic (	Oxide (C) Am	photeric Oxide	(D) None	of these
(17)			ed in the Con		95	\$ B	
	(A) Fe	$_{2}O_{3}$	(B) $V_2O_5$	(C) SO		(D) Ag <sub>2</sub> O	,

## BOARD OF INTERMEDIATE AND SECONDARY EDUCATION,

MULTAN

Name of Subject CHEMISTRY

### OBJECTIVE KEY FOR INTER (PART-I/II) Annual Examination, 2017. 2015-2017

Session

Namo Grou		oject <u>C</u> st	HEMIS	/ky		Group		13-201		
Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code		Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code
1405.	4481	4483	4485	4487			4482	4484	4486	448
١.	B	D	С	D		1.	C	A	A	D
2.	A	D	A	D		2.	A	D	$\mathcal{D}$	D
3.	С	D	C	C		3.	C	$\mathcal{D}$	B	B
4.	С	A	8	C		4.	B	B	A	A
5.	D	B	B	A		5.	0	C	13	D
6.	D	Α	B	C		6.	D	A	A	B
7.	С	С	D	8	_	A.	B	0	A	A
8.	С	С	$\mathcal{D}$	B		8	A	B	$\mathcal{D}$	B
9.	A	D	D	B		9.	D	D	$\mathcal{D}$	A
10.	С	D	A	D		10.	B	D	B	A
11.	B	C	B	2		ııl.	A	B	C	D
12.	B	C	A	2		12.	B	A	A	D
13.	B	A	C	A		13.	A	D	C	B
14.	D	C	C	3		14.	A	B	В	C
15.	D	B	1	A		15.	D	A	D	A
16.	D	B	0	C		16.	D	B	D	С
17.	A	8	C	C		17.	B	A	В	В
18.			/			18.			/	
19.		/				19.		/		
20.		1				20.		1		

سرمیفیکیٹ بابت تھی موالیہ پر چہا مارکنگ <u>Key</u> بم یے منون کیمیٹ کرچہ ہے گردی آبالی سیم منوسلیم اعراد احتی اعلی 2017 کا موالد پر چاخ تیدم وش (Subjective & Objevtive) کو نظر ممین چیک کرلیا ہے یہ پرچسلیس کے عین مطابق Set کیا گیا ہے۔اس موالد پر چہم کی حم کی کوئی فلطی ندہے۔ ہم نے سوالیہ پر چدکاردواور انگریز ک Version بھی چیک کرلیا ہے یہ Version آپس میں مطابقت دکھتے ہیں اور سلیس (Syllabus) ے مطابق بھی ہیں۔ نیزاس پر چہ کی Key کی بات بھی تقدیق کی جاتی ہے کہ یہ بھی درست بنائی گئے ہے۔ اس میں بھی کسی تم کی کو فی تعلقی نہے۔ مزید میکریم نے Key بنانے معلق دفتر کی جانب سے تیارہ کردہ مدایات وصول کر کا ان کا بغور مطالعہ کرلیا ہے اور ان کی روشن میں Key بنائی ہے۔

PREPARED & CHECKED BY

Sr.No Name

Designation Institution

Mobile No.

Signature.

## ثانوی و اعلیٰ ثانوی تعلیمی بورڈ، ملتان

موری: <u>17 - 23 مغمون: Chemistry پچه: کال</u> گروپ: <u>کال</u> جزل ہدایات برائے مارکنگ Key اُوکڈ سیسے انیوسیم (مارکنگ سیم) انثريارت قرمسنواسيكند سالانه المفخى امتحان 2017ء

C- #	Codo	Error Indicated	Sr#	Code	Error Indicated
_			8.	SP	Spelling Error
1.	UN	Un-Necessary	_	P	Punctuation
2.	Ir	Irrelevant	9.		Wrong word error
3.	IN	Incomplete	10.		
4.	EX	Extra	11.	Wt	Wrong Tense
		Re-Produced	12.	Wf	Wrong Form
5.	Rp		13.	OA	Over Attempt
6.	1	Insufficient	10.	104	
7.	Gr	Grammar Error			

ہرسوال "Full Award" سے کم نمبرلگانے کی صورت میں وجہ ضرور لکھیں۔

Q.No(2)
Definition=01 , Example=01

correct heason = 02 iii?

Balance Equations 1+1 ιiii ,

Two problems = 1+1 QV)

correct chemical foronula == (V)

correct Answer = 02 vi,

two cheical Reaction = vii,

vill Any two reactions = 1+1

correct headon = 02 (ix)

two Examples = +++ Definition = 01 (X)

Correct Answer = 02 χi,

Correct Asser = 02 (xii)

D.NO13, Definition = 01 any two uses = 1 +1 iin

correct Answer = 02 ii,

Correct Reason = 02 (iii)

(iv, two Definition = 1+1

(V) two chical Fgnations = 1+1

(Vi) Definition = 01 pre panation = 01

vii, to lefinitions = 1+1

(viii) Amy two Objections = 1+1

(IX) Correct Answer = 02

4 lul 3 fr 4 flow of my > Zate