2017 (A)

Roll No:

## INTERMEDIATE PART-II (12th CLASS)

CHEMISTRY PAPER-II (OLD SCHEME) (SESSION 2012-2014) GROUP-I

TIME ALLOWED: 3.10 Hours

SUBJECTIVE

MAXIMUM MARKS: 83

NOTE: - Write same question number and its part number on answer book, as given in the question paper.

#### SECTION-I

Attempt any Eight parts.

 $8 \times 2 = 16$ 

- (i) Why Ionization Energy decreases down the group and increases along the period?
- (ii) The oxidation states vary in a period but remain almost constant in a group. Give a brief reason.
- (iii) How Lime mortar is prepared? Give its chemical equation also.
- (iv) Compare the chemical behaviour of Lithium with Magnesium (any two points).
- (v) Why KO<sub>2</sub> is used in breathing equipments?
- (vi) Explain the Chemistry of the Borax-bead Test.
- (vii) Write any four uses of  $H_2SO_4$ .
- (viii) How Phosphorus can make use of its vacant d orbitals in their bonding? Explain.
- (ix) Why HF is weaker acid than HCl?
- (x) How Radon is obtained from air and radioactive decay?
- (xi) Give systematic names of (a)  $\left[Co(NH_3)_6\right]C\ell_3$  (b)  $\left[Cr(OH)_3(H_2O)_3\right]$
- (xii) Why does damaged tin plated iron get rusted quickly? Explain with reason.

3. Attempt any Eight parts.

 $8 \times 2 = 16$ 

- (i) Write a note on rate of Organic reactions and Solubility of Organic Compounds.
- (ii) Why is Ethene an important industrial chemical?
- (iii) How Acetylene is converted into Divinyl Acetylene and Benzene?
- (iv) Compare the reactivities of Alkanes, Alkenes and Alkynes, with reason.
- (v) Write a note on Reduction and Halogenation of benzene (C<sub>6</sub>H<sub>6</sub>).
- (vi) What do you know about Combustion and Catalytic Oxidation of Benzene?
- (vii) Write down reactions of Ethylmagnesiumbromide with (a)  $H_2O$  (b) Cyanogen Chloride
- (viii) How will you convert Acetic Acid into Propanoic Acid?
- (ix) Write down reactions of Ethyl Alcohol with (a) Sodium (b) Acetic Acid
- (x) How Phenol is prepared from Sodium Salt of Benzene Sulphonic Acid?
- (xi) Why is Ozone layer depleting?
- (xii) Define Biochemical Oxygen demand (BOD) and Chemical Oxygen Demand (COD).

Attempt any Six parts.

 $6 \times 2 = 12$ 

- (i) How Acetaldehyde can be prepared by Dry Distillation Method?
- (ii) What is Acetal? How it is prepared? Give its application.
- (iii) What are Partial and Complete reduction of Carboxylic Acids? Give one example for each.
- (iv) Write two reactions of Carboxylic Acid in which Carbon Oxygen Bond is broken.
- (v) Classify the Polymer on the basis of structure. Define degree of Polymerization.
- (vi) Define Carbohydrates. Write its classification.

- (vii) What is Iodine Number? Give its application.
- (viii) Write any four essential qualities of good fertilizer.
- (ix) Why Pulp washing is necessary?

## SECTION-II

NOTE	E: - Attempt any three questions. 8 ×3	= 24
5.(a)	What are Oxides? Name their types and write about variation of acidic and basic character of oxides in the Periodic Table.	4
(b)	Describe commercial preparation of Sodium Hydroxide by the Diaphragm Cell.	4
6.(a)	Write eight uses of Borax.	4
(b)	What happens when bleaching powder reacts with the following reagents:- (i) dil. $H_2SO_4$ (ii) $NH_3$ (iii) $HI$ (iv) $CO_2$	4
7.(a)	What is meant by Isomerism? Discuss Metamerism and Position Isomerism with one example each.	4
(b)	Using Ethyl bromide as a starting material, how you could prepare the following compounds?  (i) Ethane (ii) Ethyl Acetate (iii) Ethyl Methyl Ether (iv) Ethene	4
8.(a)	Write down reactions of Ethyne with followings:-	4
	(i) $H_2O$ (ii) $HBr$ (iii) $H_2$ (iv) $NH_3$	
(b)	Write a note on Cannizzaro's Reaction.	4
9.(a)	Write the Molecular Orbital treatment of Benzene.	4
(b)	What is Lucas Test? Give its application.	4
	SECTION-III (PRACTICAL)	
10. At	tempt any three parts.	
(i)	Write complete qualitative analysis of $Cr^{+3}$ radical in a systematic manner.	5
(ii)	Write complete qualitative analysis of $Ba^{+2}$ radical in a systematic manner.	5
(iii)	Write complete qualitative analysis of $CH_3COO^{-1}$ radical in a systematic manner.	5
(iv)	How will you identify and confirm Carboxylic Group in an Organic Compound?	5
(v)	Write material required, equation and procedure for the preparation of Iodoform.	5

1 ape	0.404	2017 (	A) Roll	No.
Numl	ber: 8481		PART-II (12th CLASS)	3000 W
CHE	MISTRY PAPI	ER-II (OLD SCHEM	(SESSION 2012	2-2014) GROUP-I
TIME	ALLOWED: 20	Minutes Ol	BJECTIVE	MAXIMUM MARKS: 17
think Cuttin as give	is correct, fill that c ag or filling two or r en in objective type	oices for each objective type ircle in front of that questi- nore circles will result in ze question paper and leave of Do not solve question on	on number. Use marker ero mark in that question others blank. No credit w	or pen to fill the circles.  Attempt as many questions ill be awarded in case
Q.No.	1			
(1)	The Oxides of $Zn$	are:-		
	(A) Basic	(B) Amphoteric	(C) Acidic	(D) None of these
(2)	The mineral CaSO	$_4.2H_2O$ has the general name	e:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(3)	Tincal is a mineral	of:-		F.
	(A) Al	(B) Si	(C) B	(D) C
(4)	Out of all the eleme	ents of group VA, the highes	t ionization energy is posse	essed by:-
	(A) Bi	(B) Sb	(C) P	(D) N
(5)	The anhydride of I	HClO4 is:-		
	(A) ClO <sub>3</sub>	(B) ClO <sub>2</sub>	(C) Cl,O,	(D) Cl,O,
(6)	MERE SI	cal transition element.	505 B#c #	
5-2	(A) Cr		(C) Zn	(D) Fe
(7)	10000 N	s – trans isomerism.	(0) 211	(D) Te
(· )	(A) Alkane	(B) Alkene	(C) Alkyne	(D) None of these
(8)		louble bond in a compound i	VOB1275111 15-200 #021051	(D) None of these
(-)	(A) Unsaturation	(B) Saturation	(C) Substitution	(D) None of these
(9)	COST VE EXILE TO 0	f Benzene is the elect		(b) None of these
	(A) NO <sub>3</sub>	(B) NO <sub>2</sub>	(C) NO;	(D) HNO <sub>3</sub>
(10)	AND THE PERSON NAMED IN	**************************************		
(10)		$CO_2$ with $C_2H_5Mg$ I follows		
(11)	(A) Propane	(B) Propanoic acid	(C) Propanol	(D) Propanone
(11)	CHARLESTON OF	general name of Ethers is:-	1770 No. 18 CONTO POR 18 CONTO PO	comment of the analysis of the second
(12)	(A) Alkanol	(B) Alkanone	(C) Alkoxy Alkane	(D) Alkanoic Acid
(12)		Il react with both Aldehydes		(D) D
(13)		nt (B) Tollen's reagent of Acetic Acid is called:-	(C) Fenling's reagent	(D) Benedict's reagent
(13)		(B) Rectified Spirit	(C) Vincent	(D) (I) 1 1 4 4 11
(14)		a synthetic polymer.	(C) Vinegar	(D) Glacial Acetic Acid
(1-1)	(A) Animal fat	(B) Starch	(C) Callulasa	(D) Polyment
(15)	A SECOND CONTRACTOR OF THE SECOND CONTRACTOR O	naterial is used for the manu	(C) Cellulose	(D) Polyester
(10)	(A) Cotton	(B) Bagasse	(C) Poplar	(D) Rice Straw
(16)		Ozone is mainly present in:-		(D) Rice Straw
(A) (C) (A)	(A) Troposphere	(B) Stratosphere	(C) Mesosphere	(D) Thermosphere
(17)	1675/ALC 1640 1640	ic parameter to measure the	AND DESCRIPTION OF THE PROPERTY OF THE PARTY	(2) Memosphere
	(A) DO	(B) BOD	(C) COD	(D) None of these
	AND PROPERTY SPACE	CE POPULARISTICOPSE	23(Obj)(☆)-2017(A)-	
			(~ c)/( ) 201/(A)	JUO (MULIAM)

Pape	r Code	,	]		500 999			
Num		8483	WEEDWEI	2017 (A)	Roll T-II (12 <sup>th</sup> CLASS	No		
TIMI Note	E ALL	OWED: 20	ER-II (OLD Minutes sices for each obj	SCHEME) OBJE	(SESSION 2012 CTIVE estion as A, B, C and	2-2014) GROUP-I MAXIMUM MARKS: 17 D. The choice which you		
Cuttinas giv	ng or fi en in o	illing two or n bjective type	nore circles will i question paper a	result in zero n and leave other	nark in that question	or pen to fill the circles.  Attempt as many questions will be awarded in case E PAPER.		
Q.No	.1							
(1)	The a	nhydride of H	ICℓO₄ is:-					
	(A) (	ClO <sub>3</sub>	(B) ClO <sub>2</sub>		(C) Cl <sub>2</sub> O <sub>7</sub>	(D) Cl <sub>2</sub> O <sub>5</sub>		
(2)	0.6	5575	cal transition elem		3 3 16 101			
(2)	(A)		(B) <i>Mn</i>		(C) Zn	(D) Fe		
(3)			- trans isomerisn		(C) 211	(b) /e		
(5)	20/2027 20	Alkane	(B) Alkene		(C) Alkyne	(D) None of these		
(4)	1.0.000		ouble bond in a co		77.64	(D) None of these		
(1)	BESSEL ST	Insaturation	(B) Saturation		(C) Substitution	(D) None of these		
(5)	0.0		f Benzenei		67 E	(b) None of these		
(0)		$NO_3^-$	(B) NO <sub>2</sub>	177	(C) NO;	(D) HN(O)		
					Mild S	(D) <i>HNO</i> <sub>3</sub>		
(6)	After reaction of $CO_2$ with $C_2H_5MgI$ followed by Acid Hydrolysis the product is:-							
	100 march	ropane	(B) Propanoic		(C) Propanol	(D) Propanone		
(7)	In I.U	In I.U.P.A.C. the general name of Ethers is:-						
	0.0	Alkanol	(B) Alkanone		(C) Alkoxy Alkane	(D) Alkanoic Acid		
(8)		reagents will react with both Aldehydes and Ketones.						
		(A) Grignard's reagent (B) Tollen's reagent (C) Fehling's reagent (D) Benedict's reagent						
(9)			of Acetic Acid is					
			(B) Rectified S	(5)	(C) Vinegar	(D) Glacial Acetic Acid		
(10)		No. of the Control of	synthetic polyme	er.				
	22 10	Animal fat	(B) Starch		(C) Cellulose	(D) Polyester		
(11)			naterial is used for	r the manufactu	re of paper pulp.			
1000	9800000	Cotton	(B) Bagasse		(C) Poplar	(D) Rice Straw		
(12)			Ozone is mainly p					
51120		Troposphere	(B) Stratosphe		(C) Mesosphere	(D) Thermosphere		
(13)			ic parameter to m					
	(A) I		(B) BOD		(C) COD	(D) None of these		
(14)		Oxides of Zn						
		Basic	(B) Amphoteri		(C) Acidic	(D) None of these		
(15)			$.2H_2O$ has the ge	neral name:-				
	300.100 0.50	Sypsum	(B) Dolomite		(C) Calcite	(D) Epsom salt		
(16)		al is a mineral o						
533245	(A) .		(B) Si		(C) B	(D) C		
(17)					ization energy is poss	sessed by:-		
	(A) A	Bi	(B) <i>Sb</i>		(C) P	(D) N		
					23(Obj)(*******)-2017(	(A)-3200 (MULTAN)		

Paper	2020 1 700 2 2 2 2 2 2	2017 (/	A) Roll	No.
Numb	er: 8485	INTERMEDIATE P.		2 100 100 100
our.	STOTEN DAD			
	MISTRY PAP ALLOWED: 20	ER-II (OLD SCHEM Minutes OB	BJECTIVE	MAXIMUM MARKS: 1
Note: think is Cutting as give	You have four chos correct, fill that correct or refilling two or ren in objective type	oices for each objective type	question as A, B, C and on number. Use marker ro mark in that question there blank. No credit w	or pen to fill the circles.  Attempt as many question will be awarded in case
Q.No.1	Ĺ			
(1)	In I.U.P.A.C. the g	eneral name of Ethers is:-		
	(A) Alkanol	(B) Alkanone	(C) Alkoxy Alkane	(D) Alkanoic Acid
(2)	reagents wil	Il react with both Aldehydes	and Ketones.	
	(A) Grignard's reas	gent (B) Tollen's reagent	(C) Fehling's reagent	(D) Benedict's reagent
(3)	The dilute solution	of Acetic Acid is called:-		1.5
	(A) Carbonic Acid	(B) Rectified Spirit	(C) Vinegar	(D) Glacial Acetic Acid
(4)	polymer is a	a synthetic polymer.		
	(A) Animal fat	(B) Starch	(C) Cellulose	(D) Polyester
(5)	woody raw i	material is used for the manuf	facture of paper pulp.	
	(A) Cotton	(B) Bagasse	(C) Poplar	(D) Rice Straw
(6)	In our atmosphere	Ozone is mainly present in:-		
	(A) Troposphere	(B) Stratosphere	(C) Mesosphere	(D) Thermosphere
(7)	The direct titremetr	ric parameter to measure the o	quality of water is:-	
	(A) DO	(B) BOD	(C) COD	(D) None of these
(8)	The Oxides of $Zn$	are:-		
	(A) Basic	(B) Amphoteric	(C) Acidic	(D) None of these
(9)	The mineral CaSO	$_4.2H_2O$ has the general name	:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(10)	Tincal is a mineral	of:-		
	(A) Al	(B) Si	(C) B	(D) C
(11)	Out of all the eleme	ents of group VA, the highest	ionization energy is poss	essed by:-
	(A) Bi	(B) Sb	(C) P	(D) N
(12)	The anhydride of I	HClO <sub>4</sub> is:-		
	(A) ClO <sub>3</sub>	(B) ClO <sub>2</sub>	(C) Cl <sub>2</sub> O <sub>7</sub>	(D) Cl <sub>2</sub> O <sub>5</sub>
(13)	is a non typi	cal transition element.	4	V 7 7 2 2 3
NO TAKE	(A) Cr	(B) Mn	(C) Zn	(D) Fe
(14)	15 15	s – trans isomerism.	(C) 211	(b) re
	(A) Alkane	(B) Alkene	(C) Alkyne	(D) None of these
(15)	Delit St. Evaluation Annual Communication	double bond in a compound is		(2) Hone of these
5) P.S.	(A) Unsaturation	(B) Saturation	(C) Substitution	(D) None of these
(16)	H100 100 -0000 H	f Benzene is the electr		( ) I talle of those
\$000E0	(A) NO <sub>3</sub>	(B) NO <sub>2</sub>	(C) NO <sub>2</sub> <sup>+</sup>	(D) HN/O
		12/11/2	(0) 1102	(D) <i>HNO</i> <sub>3</sub>

(17) After reaction of  $CO_2$  with  $C_2H_5MgI$  followed by Acid Hydrolysis the product is:(A) Propane (B) Propanoic acid (C) Propanol (D) Propanone

Pane	r Code			
Num	0107	2017 (A		No
CHE TIMI	MISTRY PAPE E ALLOWED: 20	Minutes <u>OB</u>	E) (SESSION 2012 SJECTIVE	2-2014) GROUP-I MAXIMUM MARKS: 1
think Cutti as giv	is correct, fill that ci ng or filling two or m en in objective type	ices for each objective type rele in front of that question ore circles will result in zequestion paper and leave of Do not solve question on the	on number. Use marker ro mark in that question thers blank. No credit w	or pen to fill the circles. Attempt as many question  vill be awarded in case
Q.No.	.1			
(1)	polymer is a	synthetic polymer.		
	(A) Animal fat	(B) Starch	(C) Cellulose	(D) Polyester
(2)	woody raw r	naterial is used for the manu	facture of paper pulp.	
	(A) Cotton	(B) Bagasse	(C) Poplar	(D) Rice Straw
(3)	In our atmosphere (	Ozone is mainly present in:-		9
	(A) Troposphere	(B) Stratosphere	(C) Mesosphere	(D) Thermosphere
(4)	The direct titremetri	c parameter to measure the q	quality of water is:-	
	(A) DO	(B) BOD	(C) COD	(D) None of these
(5)	The Oxides of Zn	are:-		
	(A) Basic	(B) Amphoteric	(C) Acidic	(D) None of these
(6)	The mineral CaSO <sub>4</sub>	$.2H_2O$ has the general name	÷	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(7)	Tincal is a mineral of	of;-		
	(A) Al	(B) Si	(C) B	(D) C
(8)	Out of all the eleme	nts of group VA, the highest	ionization energy is poss	essed by:-
	(A) Bi	(B) Sb	(C) P	(D) N
(9)	The anhydride of H	CℓO₄ is:-		
	(A) ClO <sub>3</sub>	(B) ClO <sub>2</sub>	(C) Cl <sub>2</sub> O <sub>7</sub>	(D) Cl <sub>2</sub> O <sub>5</sub>
(10)	is a non typic	al transition element.	13.10 m 10 m 10 m	
NO SKI	(A) Cr	(B) Mn	(C) Zn	(D) Fe
(11)	8 2	- trans isomerism.	(4)	(2)10
	(A) Alkane	(B) Alkene	(C) Alkyne	(D) None of these
(12)		ouble bond in a compound is	10.00 (C. 10.00 ) (C. 10.00 ) The Control of	(-)
8 (19)	(A) Unsaturation	(B) Saturation	(C) Substitution	(D) None of these
(13)	During Nitration of	Benzene is the electro	19750	
	(A) NO <sub>3</sub>	(B) NO <sub>2</sub>	(C) NO <sub>2</sub> +	(D) HNO <sub>3</sub>
(14)	After reaction of C	$O_2$ with $C_2H_5MgI$ followed	8	50 10 10 10 10 10 10 10 10 10 10 10 10 10
	(A) Propane		Distriction VIII	
(15)	13 22 32 C	(B) Propanoic acid eneral name of Ethers is:-	(C) Propanol	(D) Propanone
(13)	(A) Alkanol	(B) Alkanone	(C) Allcour Allcono	(D) Allemaia Asid
(16)		react with both Aldehydes a	(C) Alkoxy Alkane	(D) Alkanoic Acid
(10)		ent (B) Tollen's reagent		(D) Benedict's reagent
(17)		of Acetic Acid is called:-	(C) renning s reagent	(D) benedict's reagent
1111	(A) Carbonic Acid	(B) Rectified Spirit	(C) Vinegar	(D) Glacial Acetic Acid
	to a series and		ሴ ያ ነ megal ያ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ ነ	[2012] - [2012] (1012] (1400) (1400) (1500) (1500) (1500)
		23(00)(	~ ~ ~ ~ ~ )-2017(A)-	(MULIAN)

2017 (A)

Roll No:

## INTERMEDIATE PART-II (12th CLASS)

## CHEMISTRY PAPER-II (OLD SCHEME) (SESSION 2012-2014) GROUP-II

TIME ALLOWED: 3.10 Hours

SUBJECTIVE

MAXIMUM MARKS: 83

NOTE: - Write same question number and its part number on answer book, as given in the question paper.

#### SECTION-I

Attempt any Eight parts.

 $8 \times 2 = 16$ 

- (i) Define Triad and Law of Octaves.
- (ii) Define Group and Period of Periodic Table.
- (iii) Why  $Li_2CO_3$  decomposes on heating but  $K_2CO_3$  does not?
- (iv) How Plaster of Paris is prepared? Give equation also.
- (v) Write four common properties of Group 1VA elements.
- (vi) Give names and formulas of two minerals of Carbon.
- (vii) Draw structures of Red and White Phosphorus.
- (viii) Give two similarities between Oxygen and Sulphur.
- (ix) Give two uses of each of Freon and Teflon.
- (x) Write two equations to prepare XeO<sub>4</sub>.
- (xi) What are Chelates? Give one example.
- (xii) Give composition of Wrought Iron.

#### Attempt any Eight parts.

 $8 \times 2 = 16$ 

- (i) Why there is no free rotation around a double bond and a free rotation around a single bond?
- (ii) Define with an example, Position Isomerism and Chain Isomerism.
- (iii) Why Terminal Alkynes are Acidic in nature? Give two examples.
- (iv) How Ethyne is converted into Oxalic Acid?
- (v) Predict the major products of bromination of Toluene and Benzoic Acid.
- (vi) What happens when Benzene is heated with conc. H<sub>2</sub>SO<sub>4</sub> at 250°C?
- (vii) How Alkyl Iodides are prepared?
- (viii) Define Electrophiles and Nucleophiles with an example for each.
- (ix) Write down the structural formula for the following compounds:-

(a) Glycol (b) Glycerol

- (c) Lactic acid
- (d) Tartaric acid
- (x) Describe Lucas Test for the identification of Primary and Secondary Alcohols.
- (xi) How is Oil Spillage affecting the marine life?
- (xii) What is Carbon monoxide (CO) poisoning and how it can be reversed?

### Attempt any Six parts.

4.

 $6 \times 2 = 12$ 

- Explain Oxidation of acetone.
- (ii) Write any four uses of Formaldehyde.
- (iii) Write the Mechanism of formation of Esters from Carboxylic Acids.
- (iv) Discuss trend of melting points of Carboxylic Acids.
- (v) What is meant by Denaturing of Proteins?
- (vi) What is Saponification number of Fats and Oils? Explain with example.

- (vii) What is the effect of Temperature on Enzyme's activity?
- (viii) Why Nitrogenous fertilizers are required for Plant growth?
- (ix) What Woody raw materials are used in the production of Pulp?

### **SECTION-II**

	8 ×3	= Z4					
5.(a)	Define Periods and Groups. Explain improvements in Mendeleev's Periodic Table.	4					
(b)	Discuss Peculiar Behavior of Lithium (any eight points).						
6.(a)	Discuss the Peculiar Behaviour of boron with respect to the other members of group III – A elements.	4					
(b)	Give the chemical reactions of Bleaching Powder with: (i) Dilute $H_2SO_4$ (ii) Excess of $H_2SO_4$ (iii) $HC\ell$ (iv) $NH_3$	4					
7.(a)	What is Reforming? Write down two methods for increase in the Octane number of Gasoline.	4					
(b)	Explain the mechanism of Nucleophilic Substitution Bimolecular $(S_N 2)$ reaction.	4					
8.(a)	Explain Acidic Nature of Alkynes.	4					
(b)	Explain Cannizaro's reaction.	4					
9.(a)	Explain Atomic Orbital Treatment of Benzene.	4					
(b)	What is the action of following on Phenol?  (i) HNO <sub>3</sub> (ii) NaOH (iii) Zn (iv) Bromine Water	4					
	SECTION-III (PRACTICAL)						
10. <b>Att</b>	tempt any three parts.						
(i)	Write down qualitative analysis of $Pb^{+2}$ in a systematic way.	5					
(ii)	Write down qualitative analysis of $Ca^{+2}$ in a systematic way.	5					
(iii)	Write down qualitative analysis of $CH_3CO\overline{O}$ in a systematic way.	5					
(iv)	Indicate and give confirmatory tests of Carboxylic group.	5					
(v)	Write material required, equation and procedure for the preparation of Iodoform.	5					

Paper	Code	ognas	- //\	Nati Ma
N	er: 8482		. ()	Roll No
Numb		INTERMEDIAL	E PART-II (12th CL	ASS)
CHEN	MISTRY PAPE	R-II (OLD SCH	OBJECTIVE	2012-2014) GROUP-II MAXIMUM MARKS: 17
Note:	ALLOWED: 20 N	ices for each objective	type question as A, B, C	and D. The choice which you
distribe in	anymost fill that cit	rcle in front of that au	estion number. Use ma	rker or pen to in the cheics.
Cutting	g or filling two or m n in objective type (	ore circles will result question paper and lea	in zero mark in that que ive others blank. No cre	estion. Attempt as many questions dit will be awarded in case
BUBB	LES are not filled.	Do not solve question	on this sheet of OBJEC	TIVE PAPER.
Q.No.1 (1)	has the highe	est acidic character.		
	(A) Cl <sub>2</sub> O <sub>7</sub>		(C) P <sub>4</sub> O <sub>10</sub>	(D) $A\ell_2O_3$
(2)		the maximum value of	heat of Hydration.	
1-7	LEGG SELLONG REVENUE POR	(B) Cs +	(C) Ba <sup>2+</sup>	(D) Mg <sup>2+</sup>
	(A) Na <sup>+</sup>	50 m ( ) 1 m (	(C) Ba	(D) Mg
(3)	Aluminium oxide is		(6) 1 1 1 1 1 1 1	(D) None of these
<i>(1</i> )	(A) Acidic Oxide	(B) Basic Oxide	(C) Amphoteric Oxide	(D) None of these
(4)	Laughing gas is che	250	(C) NO	$\langle D \rangle N Q$
Character .	(A) <i>NO</i>	(B) N <sub>2</sub> O	(C) NO <sub>2</sub>	(D) $N_2O_4$
(5)		de is the weakest acid i		D) IIGA
	(A) HF	(B) <i>H Br</i>	(C) H I	(D) HCℓ
(6)	Cooridation number	$_{\mathrm{r}\mathrm{of}}\ P_{t}\ \mathrm{in}\ [\mathit{PtCl}(NC)]$	$O_2$ ) $(NH_3)_4$ ] is:-	
	(A) 2	(B) 4	(C) 1	(D) 6
(7)	500	zation of Carbon atom		- 1
	(A) $sp^3$	(B) $sp^2$	(C) sp	(D) <i>dsp</i> <sup>2</sup>
(8)				is in accordance with the rule:-
0207	(A) Hund's rule			on Principle (D) Auf bau Principle
(9)	1200 120 PAC	s the most reactive one.		(D) Pd
(10)	(A) Benzene	(B) Ethene	(C) Ethane	(D) Ethyne
(10)		ecular reactions involve		r kinatice (D) Zero order kinetics
(11)		not involved in ferment		r kinetics (D) Zero order kinetics
(11)	(A) Diastase	(B) Zymase	(C) Urease	(D) Invertase
(12)		of a Carbonyl group is:-	Motoreranno	(=) ===================================
()		(B) sp <sup>2</sup> hybridized		(D) None of these
(13)		prepared directly from A		(2) 1 10110 01 11101
(15)	(A) Acetamide		(C) Acetic anhydride	(D) Ethyl acetate
(14)		ngs about the hydrolysis		(2) 2).
()	(A) Urease	(B) Maltase	(C) Zymase	(D) Lipase
(15)	is not a calca	10. 10.001		***************************************
3.00	(A) Lime	(B) Clay	(C) Marble	(D) Marine shell
(16)	A single Chloride	free radical can destroy	ozone molecules.	
	(A) 100	(B) 100000	(C) 10000	(D) 10
(17)			ber in the incineration of i	ndustrial and
	(A) 900 to 1000	C (B) 250 to 500 C	(C) 950 to 1300 C	(D) 500 to 900 C
	ASSERTION TO THE STATE OF THE S	NOW TOO MY TAKE TO		117(A)- 400 (MULTAN)

Pape	r Code		14074.2	estas trechtigh	our regression	
Num	ber: 84	84		17 (A)		2 - 10/10/
TIME Note: think Cutting as give	is correct, fill t ag or filling tw en in objective BLES are not f	D: 20 Nur choi that cir to or m	R-II (OLD SCH Minutes ices for each objective rcle in front of that qu ore circles will result question paper and les	TE PART-II (12 <sup>th</sup> Classical (	MAXIM C and D. The clarker or pen to destion. Attempredit will be aw	UM MARKS: 17 choice which you fill the circles. t as many questions arded in case
(1)	enzym	e bring	gs about the hydrolysis	of fats.		
	(A) Urease		(B) Maltase	(C) Zymase	(D) Lipa	se
(2)		a calca	rious material.			
22200	(A) Lime		(B) Clay	2 2	(D) Mar	ne shell
(3)		oride fr		ozone molecules.		
DA.	(A) 100		(B) 100000	(C) 10000	(D) 10	
(4)			he non-rotating chambe cess has a range:-	er in the incineration of i	industrial and	
	(A) 900 to 1	000 °C	(B) 250 to 500 °C	(C) 950 to 1300 °C	(D) 500	to 900 °C
(5)	has the	e highe	st acidic character.			
	(A) $C\ell_2O_7$		(B) SO <sub>3</sub>	(C) $P_4O_{10}$	(D) Al 2	$O_3$
(6)	ion wil	I have	the maximum value of	heat of Hydration.		
	(A) Na+		(B) Cs <sup>-+</sup>	(C) Ba2+		D) Mg <sup>2+</sup>
(7)	Aluminium ox	xide is:		**************************************		
27.5	(A) Acidic Ox	xide	(B) Basic Oxide	(C) Amphoteric Oxide	(D) None	e of these
(8)	Laughing gas		8 8	(-)	(2)1.01.	or mese
	(A) NO		(B) N <sub>2</sub> O	(C) NO <sub>2</sub>	(D) N <sub>2</sub> C	)
(9)		en halio	le is the weakest acid in	P 9 (#)	(D) 1120	4
	(A) <i>HF</i>		(B) H Br	(C) H I	(D) <i>HCl</i>	1
(10)	Cooridation r	number	of $P_t$ in $[PtC\ell(NC)]$	$O_2$ ) $(NH_3)_4$ ] is:-		
	(A) 2		(B) 4	(C) 1	(D) 6	
(11)	The state of h	ybridiz	zation of Carbon atom (B) $sp^2$	in Methane is:- (C) sp	(D) dsp <sup>2</sup>	
(12)	ACCORD THE CO	of unex		n unsymmetrical Alkeno	22 22 12	
(/	(A) Hund's ru			rule (C) Pauli's Exclusi		
(13)	87 B		the most reactive one.		ion Frincipie (L	) Aut bau Principle
(00)	(A) Benzene		(B) Ethene	(C) Ethane	(D) Ethy	222
(14)			ular reactions involve:		(D) Etily	ne
				inetics (C) Third orde	r kinetics (D) 7	ara arder kineties
(15)			t involved in fermental		Killeties (D) Z	eto order kineties
10 20	(A) Diastase		(B) Zymase	(C) Urease	(D) Inver	tace
(16)	San Al was a	tom of	a Carbonyl group is:-	,-, -,-	(D) Inver	··········
			(B) sp <sup>2</sup> hybridized	(C) sp <sup>3</sup> hybridized	(D) None	of these
(17)			epared directly from Ac		(D) None	of these
2000	(A) Acetamid		EWOODS II MALETAN MAN	(C) Acetic anhydride	(D) Ede-	acetata
	V. V. Samme		(2) recess children	24(Obj)(\$\frac{1}{2}\$\$)-2017		
				24(OUJ)( M M )-201	(A)- 600	(MULTAN)

×

Pap	er Čode	7		
Nun	nber: 8486			oll No
CIII		- INTERMEDIA	TE PART-II (12th CLA	£2
	E ALLOWED: 20		OBJECTIVE	2012-2014) GROUP-II MAXIMUM MARKS: 17
			The same of the sa	and D. The choice which you
think	k is correct, fill that	circle in front of that of	question number. Use mar	ker or pen to fill the circles.
			t in zero mark in that ques eave others blank. No crec	stion. Attempt as many question lit will be awarded in case
BUB	BLES are not filled		n on this sheet of OBJECT	
Q.No (1)		symmetrical reagent to	an unsymmetrical Alkene is	in accordance with the rule:-
0.0	(A) Hund's rule			Principle (D) Auf bau Principle
(2)	R A IVE	is the most reactive one		Trinciple (b) Aut out Timespie
	(A) Benzene	(B) Ethene	(C) Ethane	(D) Ethung
(3)	CONTRACTOR OF THE SERVICE SERV	ecular reactions involve	70.75	(D) Ethyne
2.3				cinetics (D) Zero order kinetics
(4)		not involved in fermenta		inetics (D) Zero order kinetics
300.00	(A) Diastase	(B) Zymase	(C) Urease	(D) I
(5)		of a Carbonyl group is:-	7.00	(D) Invertase
-				COLUMN E CONTRACTOR SIN AND
(6)		(B) sp <sup>2</sup> hybridized		(D) None of these
(0)		prepared directly from A		
(7)	(A) Acetamide		(C) Acetic anhydride	(D) Ethyl acetate
(7)		ngs about the hydrolysis		
/O\	(A) Urease	(B) Maltase	(C) Zymase	(D) Lipase
(8)	is not a calca			
(0)	(A) Lime	(B) Clay	(C) Marble	(D) Marine shell
(9)		free radical can destroy		
/1.0V	(A) 100	(B) 100000	57 13	(D) 10
(10)	The temperature in hazardous waste pr	the non-rotating chamb rocess has a range:-	per in the incineration of indi	ustrial and
	(A) 900 to 1000 °	°C (B) 250 to 500 °C	C (C) 950 to 1300 °C	(D) 500 to 900 °C
(11)	has the high	nest acidic character.		
	(A) $C\ell_2O_7$	(B) SO <sub>3</sub>	(C) P <sub>4</sub> O <sub>10</sub>	(D) $A\ell_2O_3$
(12)	ion will hav	e the maximum value o	f heat of Hydration.	22 Xt 9053186
	(A) Na+	(B) Cs +	(C) Ba <sup>2+</sup>	(D) Mg <sup>2+</sup>
(13)	Aluminium oxide	is:-	3-7	(D) Mg
	(A) Acidic Oxide	(B) Basic Oxide	(C) Amphoteric Oxide	(D) None of these
(14)	Laughing gas is ch		(c) implicate Oxide	(D) None of these
	(A) <i>NO</i>	(B) N <sub>2</sub> O	(C) NO <sub>2</sub>	(D) $N$ $(O)$
(15)		de is the weakest acid in		(D) $N_2O_4$
heed (	(A) <i>HF</i>	(B) H Br	(C) H I	(D) HC#
arsr	21.17	4945-515-41-72.75505		(D) <i>HCℓ</i>
16)		er of $P_t$ in $[PtC\ell(NC)]$	ASSOCIA DELL'ANTINO DE L'ANTINO DE L'ANTIN	
17)	(A) 2	(B) 4	(C) 1	(D) 6
17)	The state of hybrid (A) $sp^3$	ization of Carbon atom (B) $sp^2$		(D) 1-2
	Olice A.	(D) 5p	(C) <i>sp</i>	(D) dsp <sup>2</sup>

(MULTAN)

1 ape	r Code	8 5/5/5/	20	17 (A)		Roll No.	
Num	ber:	8488	INTERMEDIAT	HER THE COMMENT RESERVE			
CHE	MIST	RY PAPE	R-II (OLD SCH				GROUP-II
		OWED: 20 N		OBJEC			MUM MARKS: 1'
think Cutting as give	is corre ng or fil en in ol BLES a	ect, fill that cir lling two or m bjective type q	ces for each objective rele in front of that quote circles will result question paper and lead to not solve question	type ques uestion nu- in zero ma ave others	tion as A, B, 6 mber. Use ma ark in that qu blank. No cr	arker or pen estion. Attem edit will be a	to fill the circles. opt as many question warded in case
(1)		hydrogen halid	le is the weakest acid is	n solution.			
	(A) I	HF	(B) <i>H Br</i>	(C) H I		(D) H	Cl
(2)	Coorio	dation number	of $P_t$ in $[PtC\ell(NC)]$	$O_2$ ) $(NH_3)_4$	] is:-		
	(A) 2	2	(B) 4	(C) 1		(D) 6	
(3)			ation of Carbon atom i	in Methane	is:-	200	
	(A)	$sp^3$	(B) $sp^2$	(C) sp		(D) ds	$p^2$
(4)	The ac	ldition of unsy	mmetrical reagent to a	n unsymme	etrical Alkene	is in accordan	ce with the rule:-
	(A) H	und's rule	(B) Markownikov's	rule (C) P	auli's Exclusion	on Principle	(D) Auf bau Principle
(5)	-	compound is	the most reactive one.				
	(A) B	enzene	(B) Ethene	(C) Ethai	ne	(D) Etl	iyne
(6)	Elimi	nation bimolec	ular reactions involve:	-			
	(A) Fi	rst order kineti	cs (B) Second order k	inetics (	C) Third order	kinetics (D)	Zero order kinetics
(7)			t involved in fermentat				
	(A) Di	iastase	(B) Zymase	(C) Urea	se	(D) Inv	rertase
(8)	The Ca	arbon atom of	a Carbonyl group is:-				
	(A) sp	hybridized	(B) sp2 hybridized	(C) sp3 1	nybridized	(D) No	ne of these
(9)			pared directly from Ac				
			(B) Acetyl Chloride		c anhydride	(D) Eth	nyl acetate
(10)			s about the hydrolysis			1380°250'411000	************
			(B) Maltase		ise	(D) Lip	oase
(11)		is not a calcari		100% 1 0 00 10 100 W. 10000			
	(A) Li	me	(B) Clay	(C) Marb	le	(D) Ma	rine shell
(12)	A sing		ee radical can destroy			( - ) ( - )	
	(A) 10		(B) 100000			(D) 10	
(13)	The ter	mperature in the	e non-rotating chambe				
	(A) 9	00 to 1000 °C	(B) 250 to 500 °C	(C) 950	to 1300 °C	(D) 500	0 to 900 °C
(14)			t acidic character.			3.7	
			(B) SO <sub>3</sub>	(C) P <sub>4</sub> O <sub>10</sub>		(D) Al	,0,
(15)		ion will have t	the maximum value of			0.51.6	4 3
		<i>a</i> *	(B) Cs +		C) Ba <sup>2+</sup>		(D) Mg <sup>2+</sup>
(16)	Alumi	nium oxide is:		2,300	\$ 02200		
	(A) Ac	idic Oxide	(B) Basic Oxide	(C) Ampl	noteric Oxide	(D) No	ne of these
(17)	THE RESERVE AND A SECOND	ning gas is che		,		(2) 110	av or mose
	(A) No		(B) N <sub>2</sub> O	(C) NO <sub>2</sub>		(D) N <sub>2</sub>	0.
			22 N 12-5475	Work new Alternation	<b>⋧</b> ⋧ <b>२</b> )-2017(A	_	(MULTAN)

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION,

MULTAN

OBJECTIVE KEY FOR INTER (PART-1/H) Annual Examination, 2017.

Namo	of Sub	oject _(	Trem	is truy
Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code
11001	8481	8483	8485	8487
1.	B	C	C	D
2.	A	C	A	_
3.	C	B	C	B
4	200			1

2.	A	C	A	C
3.	C	B	C	B
4.	D	A	D	4

5.	C	C.	C	B
6.	С	B	B	A
7	_	_	_	

1.	13	<b>C</b>	C	C.
8.	A	A	B	D
9.	-	0	Λ	C

195.5	C	_	A	4
10.	13	D	2	C
11.	0	0	D	P

	-			1/
12.	A	B	C	A
13.	C	C	C	C

14.	D	B	13	B
15.	c	A	A	C

13.	C	A	A	C
16.	B	C	C	A

10.	15	C	C	A
17.	C	D	B	C

		UTT-	11.0000	100 100 100 1
17.	C	D	B	C
18.				
19.		3		

20.

	11.4		***	
	11	1	لقح	. (
Ke	ماركك ٧	1211	است رسي سو	کیلیٹ یا
Ne	المر حب بو	البيد إرجيرا	بت تصحیح سوا	۔ پیک ب

Session	2015-2017
-	2 1

Group	: 2nd	Paper	Paper	Paper
Q. Nos.	Paper Code	Code	Code	Code
11001	8482	8484	8486	8488
1.	A	D	B	A
2.	D	B	B	D
3.	C	13	B	A
4.	B	C	c	B
5.	A	A	3	B
6.	D	D	A	В
7.	A	c	D	C
8.	B	В	B	B
9.	B	A	B	A
10.	B	D	C	P
11.	C	A	A	B
12.	13	B	D	B
13.	A	B	C	2
14.	D	B	B	A
15.	B	2	A	D
16.	B	B	D	C
17.	c	A	B	13
18.				
19.				
20.				
		-	-	-

بم يمنون كيم طري ريا المال أوب Tal عبر المال المراع والمال المال المن المن المال ا (Subjective & Objevtive) کو بنظر عمی چیک کرلیا ہے یہ پر چیلیس کے عین مطابق Set کیا عمیا ہے۔ اس سوالیہ پر چہ می کی تم کی کوئی (Syllabus) آپس من سواليد پر چيكالدوا صافكريز Version بحل چيكرليا بي Version آپس من مطابقت د كت بين اورسليس ے مطابق میں میں میزاس برچہ کی Key کی بات مجی تقدیق کی جات ہے کہ یہ میں درست بنائی ٹی ہے۔ اس میں محمی کی کو کی تعلق نہے۔ مرید میک جم نے Key بنا نے سے متعلق دفتر کی جانب سے تیارہ کردہ ہدایات وصول کر کا ان کا بغور مطالعہ کرلیا ہے اوران کی روشی میں Key بنائی ہے۔

PREPARED & CHECKED BY

# ثانوی و اعلیٰ ثانوی تعلیمی بورڈ، ملتان مودند: <u>17/5/5</u>2 مغمون: <u>Chemistry پچنه ماه</u> کروپ: <u>1</u> جزل بدایات برائے مارکنگ Key اولڈسکیم اینوسکیم (مارکنگ سکیم) انثريارث فرسث اسيكندُ سالانه احتمىٰ امتحان 2017ء

<b>~</b> "	0-40	Error Indicated	Sr#	Code	Error Indicated
Sr#	Code	Error maicated	_	SP	Spelling Error
1.	UN	Un-Necessary	8.		
	lr	Irrelevant	9.	P	Punctuation
2.		The service of the Allert Control of the Service of	10.	Wo	Wrong word error
3.	IN	Incomplete	12000	Wt	Wrong Tense
4.	EX	Extra	11.		
	Rp	Re-Produced	12.	Wf	Wrong Form
5.	ıγρ	Insufficient	13.	OA	Over Attempt
6.	1		1.5.		
7.	Gr	Grammar Error			

اہم نوف: ہرسوال "Full Award" سے کم نمبرلگانے کی صورت میں وجیضر وراکھیں۔

Q.2.111 corred reason (2)

(ii) reason in group IMark, in period = 1

(11) preparation = 1 Equation = 1

(iv. Any two points = 2 Marks.

(v) Reason = 1 squation = 1

(VI) two Equations only = 2

any four uses = 1/2 Mark each = 2 (viiv)

(viii) proper reason = 1+1

(ix) correct reason = 2 marks.

(x) reason, equation = 1+1

(xi) correct name = 1+1

(Xii) Correct reason = 2 marks.

Q.3.

ii, correct description of each = 1+1

any two uses in widustry = 1+1

din Equations only = 1+1

(iv) Correct reason = 2 marks.

(V) Correct Squartions = 1+1

(Ni) correct, Equations only = 1+1

W/3 4 Rm 5 Mm