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

2. 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 KO₂ 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) $\left[Co(NH_3)_6\right]$ (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_6H_6) .
- (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

NOTI	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) Stempt any three parts.	5
(i)	Write complete qualitative analysis of Cr^{+3} radical in a systematic manner.	3
(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

Pape	r Code	2017	1) D 11	
•	ber: 8481	2017 (2 50	
Num	MATERIAL DESCRIPTION	— INTERMEDIATE P	ART-II (12th CLASS)
TIME Note: think Cutting as giv	E ALLOWED: 20 : You have four cl is correct, fill that ng or filling two or en in objective typ	PER-II (OLD SCHEM O Minutes O Minute	BJECTIVE e question as A, B, C and on number. Use marker ero mark in that question others blank. No credit w	MAXIMUM MARKS: 17 D. The choice which you or pen to fill the circles. Attempt as many questions will be awarded in case
Q.No.	.1			
(1)	The Oxides of Zr	are:-		
	(A) Basic	(B) Amphoteric	(C) Acidic	(D) None of these
(2)	The mineral CaSo	$O_4.2H_2O$ has the general name	:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(3)	Tincal is a minera	l of:-		F-100 - 201
	(A) Al	(B) Si	(C) B	(D) C
(4)	Out of all the elen	nents of group VA, the highes	t ionization energy is poss	essed by:-
	(A) Bi	(B) Sb	(C) P	(Q) N
(5)	The anhydride of	HCℓO₄ is:-		
	(A) ClO ₃	(B) ClO ₂	(C) Cl,O,	(D) Cl,O.
(6)	is a non tyr	pical transition element.		102.18
8-6	201	(B) Mn	(C) X2	(D) Fe
(7)	1000	is – trans isomerism.		(5) 10
V.V.	(A) Alkane	(B) Alkene	(C) Alleyne	(D) None of these
(8)	CACARD CONSTRUCTOR	double bond in a compound i		(5) 1 (0.10 02 11.000
	(A) Unsaturation	(B) Saturation	(C) Substitution	(D) None of these
(9)	During Nitration	of Benzene is the electr		
	(A) NO ₃	(B) NO.	(C) NO ₂ *	(D) HNO
(10)	ACCOUNT OF THE CONTRACT	CQ_1 with C_2H_1MgI followed		
(10)			April 140 040	Control Contro
(11)	(A) Propane	(B) Propanoic acid	(C) Propanol	(D) Propanone
(11)		general name of Ethers is:-	/ON A 11	AND THE COST PARTY OF
(12)	(A) Alkanol	(B) Alkanone	(C) Alkoxy Alkane	(D) Alkanoic Acid
(12)		vill react with both Aldehydes gent (B) Tollen's reagent		(D) P
(13)		on of Acetic Acid is called:-	(C) renning s reagent	(D) Benedict's reagent
(13)	(A) Carbonic Acid		(C) Vinegar	(D) Glacial Acatic Acid
(14)	WELLOW THE STREET STREET	s a synthetic polymer.	(C) vinegal	(D) Glacial Acetic Acid
(/	(A) Animal fat	(B) Starch	(C) Cellulose	(D) Polyester
(15)	2000 C C C C C C C C C C C C C C C C C C	material is used for the manu		(D) I olyestel
. 6	(A) Cotton	(B) Bagasse	(C) Poplar	(D) Rice Straw
(16)		e Ozone is mainly present in:-		(2) tave blan
	(A) Troposphere	(B) Stratosphere	(C) Mesosphere	(D) Thermosphere
(17)	0.000 NA 1941 - 1941	tric parameter to measure the	The state of the s	A THE PROPERTY OF THE PARTY OF
	(A) DO	(B) BOD	(C) COD	(D) None of these
			23(Obj)(**)-2017(A)	0.00

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Pape	er Code	2017	(A) Roll	No
Num	ber: 8483	1	PART-II (12 th CLASS	3)
TIM	E ALLOWED: 2	PER-II (OLD SCHEM 20 Minutes <u>O</u>	ME) (SESSION 201 BJECTIVE	2-2014) GROUP-I MAXIMUM MARKS: 17
think Cutti as giv	is correct, fill that ng or filling two o ven in objective ty	choices for each objective type t circle in front of that quest r more circles will result in a pe question paper and leave d. Do not solve question on	tion number. Use marked zero mark in that question others blank. No credit	r or pen to fill the circles. n. Attempt as many question will be awarded in case
Q.No	.1			
(1)	The anhydride of	F HClO4 is:-		
	(A) ClO ₃	(B) CℓO ₂	(C) Cl ₂ O ₇	(D) $C\ell_2O_5$
(2)	is a non ty	pical transition element.		
	(A) Cr	(B) Mn	(C) Zn	(D) Fe
(3)	can show	cis – trans isomerism.		177 10 H
	(A) Alkane	(B) Alkene	(C) Alkyne	(D) None of these
(4)	The presence of a	a double bond in a compound	is the sign of:-	
	(A) Unsaturation	(B) Saturation	(C) Substitution	(D) None of these
(5)	During Nitration	of Benzene is the elec	trophile.	
	(A) NO ₃	(B) NO ₂	(C) NO ₂ ⁺	(D) HNO ₃
(6)	After reaction of	CO_2 with C_2H_5MgI follow	ed by Acid Hydrolysis the	product is:-
20.50	(A) Propane	(B) Propanoic acid	(C) Propanol	(D) Propanone
(7)		e general name of Ethers is:-	(C) Copulation	(b) Fropanone
(.,	(A) Alkanol	(B) Alkanone	(C) Alkoxy Alkane	(D) Alkanoic Acid
(8)	3.3	vill react with both Alderydes	939	(2)
30.00	100000000000000000000000000000000000000	eagent (B) Tollen's reagent	SUCCESSION STATE OF	nt (D) Benedict's reagent
(9)	22-4 - 1-4-6-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	on of Acetic Acid is called:-	ata ada 94 Senta 120 Marango Ma Senta	
		id (B) Rectified Spirit	(C) Vinegar	(D) Glacial Acetic Acid
(10)	polymer i	is a synthetic polymer.	25 35 370	
	(A) Animal fat	(B) Starch	(C) Cellulose	(D) Polyester
(11)	woody rav	w material is used for the man	ufacture of paper pulp.	
	(A) Cotton	(B) Bagasse	(C) Poplar	(D) Rice Straw
(12)	In our atmosphe	re Ozone is mainly present in:		
	(A) Troposphere	(B) Stratosphere	(C) Mesosphere	(D) Thermosphere
(13)	The direct titrem	etric parameter to measure the	quality of water is:-	
	(A) DO	(B) BOD	(C) COD	(D) None of these
(14)	The Oxides of Z	Zn are:-		
	(A) Basic	(B) Amphoteric	(C) Acidic	(D) None of these
(15)	The mineral Cas	$SO_4.2H_2O$ has the general name	ne:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(16)	Tincal is a miner	al of:-		
	(A) Aℓ	(B) Si	(C) B	(D) C
(17)	Out of all the ele	ements of group VA, the higher	est ionization energy is pos	ssessed by:-
	(A) Bi	(B) Sb	(C) P	(D) N
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Pape	r Code	2017 (A) Rol	l No.
Num	ber: 8485	INTERMEDIATE P		2-11-110
CHE	A STOTENY DAD			
	MISTRY PAP E ALLOWED: 20		IE) (SESSION 201 BJECTIVE	MAXIMUM MARKS: 1
Note	Von have four che	oices for each objective typ	e question as A, B, C an	d D. The choice which you
think	is correct, fill that c	ircle in front of that questi	on number. Use marke	r or pen to fill the circles.
as giv	en in objective type	question paper and leave of	others blank. No credit	on. Attempt as many question will be awarded in case
BUBI	BLES are not filled.	Do not solve question on	this sheet of OBJECTIV	VE PAPER.
Q.No.	.1			
(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	l react with both Aldehydes	and Ketones.	
	(A) Grignard's reas	gent (B) Tollen's reagent	(C) Fehling's reage	nt (D) Benedict's reagent
(3)	The dilute solution	of Acetic Acid is called:-		3.5
	(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	naterial is used for the manu	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) Mesusphere	(I) Thermosphere
(7)	The direct titremetr	ic parameter to measure the	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	$2H_2O$ has the general name		
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(10)	Tincal is a mineral	of		Carlotte Carlotte Carlotte Carlotte
	(A) Al	(B) ST	(C) B	(D) C
(11)	Out of all the eleme	ents of group VA, the highes	t ionization energy is pos	
	(A) Bi	(B) Sb	(C) P	(D) N
(12)	The anhydride of I	HClO4 is:-		940.000 WOW
	(A) ClO ₃	(B) ClO ₂	(C) Cl ₂ O ₇	(D) Cl ₂ O ₅
(13)	100 100 100 100 100 100 100 100 100 100	70 NSO N	(0) 00 207	(b) cc ₂ 0 ₅
(13)	V. T. L. T. L.	cal transition element.	(0) 7	(D) E
(14)	(A) Cr	(B) Mn	(C) Zn	(D) Fe
(14)	(A) Alkane	s – trans isomerism.	(C) A!!	(D) 31
(15)	Salt of Protocolours	(B) Alkene	(C) Alkyne	(D) None of these
(13)	(A) Unsaturation	double bond in a compound	OMPRESSION STREET	(D) N 64
(16)	H100 100 -0000 H	(B) Saturation	(C) Substitution	(D) None of these
(10)		f Benzene is the elect		Table 1
	(A) NO_3^-	(B) NO ₂	(C) NO ₂ ⁺	(D) <i>HNO</i> ₁

(B) Propanoic acid (C) Propanol (D) Propanone

After reaction of CO_2 with C_2H_5MgI followed by Acid Hydrolysis the product is:-

(17)

(A) Propane

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Paper	r Code	2017 (A	Roll	No
Num	ber: 8487	INTERMEDIATE PA		- THE STATE OF THE
TIME Note: think Cuttin as give	ALLOWED: 20 You have four chois correct, fill that cong or filling two or need in objective type	ER-II (OLD SCHEMI	E) (SESSION 2012 JECTIVE question as A, B, C and n number. Use marker to mark in that question thers blank. No credit were to mark the control of the cont	2-2014) GROUP-I MAXIMUM MARKS: 17 D. The choice which you or pen to fill the circles. a. Attempt as many question will 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 i	naterial is used for the manufa	acture 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 qu	uality 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 ₄	.2H ₂ O has the general name:		
	(A) Gypsum	(B) Dolomite	(C) Calcite	(b) 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 ₃	(B) C/O ₂	(C) $C\ell_2O_7$	(D) $C\ell_2O_5$
(10)	ALLOCATION IS CONTROLLED TO THE STATE OF	al transition element.	000000000000000000000000000000000000000	
(1.1)	(A) Cr	(B) Mn	(C) Zn	(D) Fe
(11)	2777.5 97 - 70 (200)	s – trans isomerism.	(a) (ii)	
(12)	(A) Alkane	(B) Alkene	(C) Alkyne	(D) None of these
(12)		ouble bond in a compound is		
(13)	(A) Unsaturation	(B) Saturation	(C) Substitution	(D) None of these
(13)		Benzene is the electro		
	(A) NO ₃	(B) NO ₂	(C) NO ₂ ⁺	(D) <i>HNO</i> ₃
(14)	After reaction of C	O_2 with C_2H_5Mg I followed	by Acid Hydrolysis the	product is:-
	(A) Propane	(B) Propanoic acid	(C) Propanol	(D) Propanone
(15)	In I.U.P.A.C. the go	eneral name of Ethers is:-		
	(A) Alkanol	(B) Alkanone	(C) Alkoxy Alkane	(D) Alkanoic Acid
(16)		l react with both Aldehydes ar		
		ent (B) Tollen's reagent	(C) Fehling's reagent	(D) Benedict's reagent
(17)		of Acetic Acid is called:-	920 EMF-EDIN	
	(A) Carbonic Acid	(B) Rectified Spirit	(C) Vinegar	(D) Glacial Acetic Acid
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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

2. 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 XeO₄.
- (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_2SO_4 at $250^{\circ}C$?
- (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.

 $6 \times 2 = 12$

- (i) 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 ×.	5 = 24
5.(a)	Define Periods and Groups. Explain improvements in Mendeleev's Periodic Table.	4
(b)	Discuss Peculiar Behavior of Lithium (any eight points).	4
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 _v 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 Phenoi? (i) HNO ₃ (ii) NaOH (iii) In (iv) Bromine Water SECTION-III (PRACTICAL)	4
10. At	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	22	(7/A) D	all No
Numb	er: 8482		. (/	oll No
			E PART-II (12th CLA	.SS)
CHEN	MISTRY PAPE ALLOWED: 20 1	R-II (OLD SCH	OBJECTIVE	012-2014) GROUP-II MAXIMUM MARKS: 17
Note: think i Cuttin as give	You have four chois correct, fill that cing or filling two or men in objective type of LES are not filled.	ices for each objective rcle in front of that qu ore circles will result question paper and lea	type question as A, B, C estion number. Use mar in zero mark in that ques	and D. The choice which you ker or pen to fill the circles. tion. Attempt as many questions lit will be awarded in case
(1)	has the highe	est acidic character.		
	(A) $C\ell_2O_7$	(B) SO ₃	(C) P_4O_{10}	(D) $A\ell_2O_3$
(2)	ion will have	the maximum value of	heat of Hydration.	
	(A) Na+	(B) Cs +	(C) Ba ²⁺	(D) Mg ²⁺
(3)	Aluminium oxide is	:-		
	(A) Acidic Oxide	(B) Basic Oxide	(C) Amphoteric Oxide	(D) None of these
(4)	Laughing gas is che	mically:-		
	(A) NO	(B) N ₂ O	(C) NO ₂	(D) N ₂ O ₄
(5)	hydrogen hali	de is the weakest acid i	n solution.	
	(A) HF	(B) <i>H Br</i>	(C) H1	(D) HCl
(6)	Cooridation number	$r ext{ of } P_t ext{ in } [PtCl(NC)]$	$(NH_3)_4$ is-	Y
	(A) 2	(B) 4	(C) 1	(D) 6
(7)	The state of hybridi (A) sp ³	zation of Carbon atom (B) sp^2	in Methane is: (C) sp	(D) dsp^2
(8)	The addition of uns	ymmetrical reagent to a	in unsymmetrical Alkene is	s in accordance with the rule:-
	(A) Hund's rule	(B) Markownikov's	rule (C) Pauli's Exclusio	n Principle (D) Auf bau Principle
(9)	compound i	s the most reactive one		
	(A) Benzene	(B) Ethene	(C) Ethane	(D) Ethyne
(10)	Elimination bimok	ecular reactions involve	*=	
				kinetics (D) Zero order kinetics
(11)	MATERIAL WI	not involved in ferments		ALLAN IZ CHIRATTO (COLO COLO
40.400	(A) Diastase	(B) Zymase	(C) Urease	(D) Invertase
(12)		of a Carbonyl group is:-		L10. 729
	53 15 156 156	(B) sp ² hybridized	A 5 8 MI II II	(D) None of these
(13)		prepared directly from A		paroteog o W n
150150			(C) Acetic anhydride	(D) Ethyl acetate
(14)		ngs about the hydrolysis		(D) I inner
(15)	(A) Urease	(B) Maltase	(C) Zymase	(D) Lipase
(15)	is not a calc		(C) Markla	(D) Marine shell
(16)	(A) Lime	(B) Clay	(C) Marble ozone molecules.	(D) Marine shen
(10)	(A) 100	(B) 100000	(C) 10000	(D) 10
(17)		0 12 15 N C 10	per in the incineration of in	
(/)	hazardous waste pr	rocess has a range:-	720	a a
	(A) 900 to 1000 ((B) 250 to 500 C	(C) 950 to 1300 ℃	(D) 500 to 900 C
			24(Obi)(5\$)-201	7(A)- (O) (MULTAN)

Pape	r Cod	e	1			
Num	. i	8484	20	17 (A)	Roll No	
Num	Wilder Co.			TE PART-II (12th C		
				IEME) (SESSION	N 2012-2014)	GROUP-II
		OWED: 20		OBJECTIVE		MUM MARKS: 17
Note	is cor	have four cho rect, fill that ci	ices for each objective	type question as A, B, uestion number. Use n	arker or pen	o fill the circles.
Cutti	ng or f	illing two or n	iore circles will result	in zero mark in that q	uestion. Attem	pt as many questions
				ave others blank. No c on this sheet of OBJE		
Q.No	.1					
(1)		_ enzyme brin Jrease	gs about the hydrolysis		(D) I !-	
(2)	(A) ((B) Maltase arious material.	(C) Zymase	(D) Lip	ase
(2)	(A) I		(B) Clay	(C) Markla	(D) Ma	aine aball
(3)	0.0			(C) Marbleozone molecules.	(D) Ma	rine shell
(5)	(A) 1		(B) 100000		(D) 10	
(4)	702 255			(C) 10000	(D) 10	
(1)			ocess has a range:-	er in the incineration of	industrial and	
	(A)	900 to 1000 ° (C (B) 250 to 500 °C	(C) 950 to 1300 °C	(D) 50	0 to 900 °C
(5)			est acidic character.			
	(A) ($C\ell_2O_7$	(B) SO ₃	(C) P ₄ O ₁₀	(D) Al	203
(6)		ion will have	the maximum value of	0.0000000000000000000000000000000000000		
	(A)		(B) Cs +	(C) Ba ²⁴		(D) Mg ²⁺
(7)	62 12	inium oxide is	3448 (1900)	(C) Ou		(b) Mg
800		Acidic Oxide	(B) Basic Oxide	(C) Amphotexic Oxide	(D) No	na of thosa
(8)	9.0	hing gas is che	20.20	(c) Ampacienc Oxide	(D) No	ne of these
9240	(A)		(B) N ₂ O	(0) (0)	(D) N	0
(9)	V. 27		de is the weakest acid i		(D) N ₂	O ₄
(2)	(A)		(B) N Br		(D) III	7.2
	(14)		(b) or	(C) HI	(D) HC	i l
(10)	Coor	ridation numbe	of Print [Prcl(No	O_2) $(NH_3)_4$] is:-		
	(A)	2	(B) 4	(C) 1	(D) 6	
(11)			zation of Carbon atom	in Methane is:-		
230,000	(A)	reterror	(B) sp^2	(C) sp	(D) <i>dsp</i>	
(12)				in unsymmetrical Alken		
(12)	80 B	lund's rule		rule (C) Pauli's Exclus	ion Principle (D) Auf bau Principle
(13)			s the most reactive one.	8.		
ZEAN	0.000000000	Benzene	(B) Ethene	(C) Ethane	(D) Eth	yne
(14)			cular reactions involve:			
(15)	(A) F			inetics (C) Third orde	er kinetics (D)	Zero order kinetics
(15)	(A) F		ot involved in fermenta		02500	
(16)	Q., M.,	Diastase	(B) Zymase	(C) Urease	(D) Inv	ertase
(10)			f a Carbonyl group is:-	120000011400200000000	203730444	22.52
(12)	(A) S			(C) sp ³ hybridized	(D) No	ne of these
(17)	(A) A		epared directly from A			
	(A) A	cetamide	(B) Acetyl Chloride	(C) Acetic anhydride		yl acetate
				24(Obj)(1 1 201	7(A)-600	(MULTAN)

Pap	er Ćode			
Nur	nber: 8486		zanacaza a volumento	oll No
CIN		- INTERMEDIA	ATE PART-II (12th CLA	£2
	EMISTRY PAI E ALLOWED: 20		[12] [12] [12] [12] [12] [12] [12] [12]	2012-2014) GROUP-II MAXIMUM MARKS: 17
			OBJECTIVE ive type question as A. B. C.	and D. The choice which you
think	k is correct, fill that	circle in front of that	question number. Use mar	ker or pen to fill the circles.
			ilt in zero mark in that ques leave others blank. No creo	tion. Attempt as many question
BUB	BLES are not filled		on on this sheet of OBJECT	
Q.No (1)		symmetrical reagent to	an uncummatrical Alkana ic	in accordance with the rule:-
(.,	(A) Hund's rule			Principle (D) Auf bau Principle
(2)	R S IVE	is the most reactive on		rrinciple (D) Aut bau rinciple
(-)	(A) Benzene	(B) Ethene		(D) E.I
(3)	ONE STEEL ST	ecular reactions involv	(C) Ethane	(D) Ethyne
(5)				8 IV
(4)				tinetics (D) Zero order kinetics
(4)	(A) Diastase	not involved in fermen		A
(5)		(B) Zymase	(C) Urease	(D) Invertase
(3)		of a Carbonyl group is:		
negati			(C) sp ³ hybridized	(D) None of these
(6)		prepared directly from		
2000	(A) Acetamide		le (C) Acetic anhydride	(D) Ethyl acetate
(7)		ngs about the hydrolysi	s of fats.	
	(A) Urease	(B) Maltase	(C) Zymase	(D) Lipase
(8)	is not a calca	arious material.		
	(A) Lime	(B) Clay	(C) Marble	(D) Marine shell
(9)	A single Chloride	free radical can destroy	ozone molecules.	
	(A) 100	(B) 100000	(C) 10000	(D) 10
(10)	The temperature in hazardous waste	the non-rotating cham rocess has a range:-	ber in the incineration of indi	ustrial and
	(A) 900 to 1000	(B) 250 to 500 °	C (C) 950 to 1300 °C	(D) 500 to 900 °C
(11)	has the high	nest acidio character.		
	(A) $C\ell_2O_7$	(B) SO ₃	(C) P_4O_{10}	(D) $A\ell_2O_3$
(12)	ion will hav	e the maximum value	of heat of Hydration.	22 20 205120
	(A) Na+	(B) Cs +	(C) Ba ²⁺	(D) Mg ²⁺
(13)	Aluminium oxide	100 martin 100 mm	(0) 2	(D) Mg
0.000	(A) Acidic Oxide	(B) Basic Oxide	(C) Amphoteric Oxide	(D) None of these
(14)	Laughing gas is ch		(C) Amphoteric Oxide	(D) None of these
907.51.	(A) <i>NO</i>	(B) N ₂ O	(C) NO ₂	(D) N ()
(15)	TABLE AND ST. TO BE	de is the weakest acid		(D) N_2O_4
	(A) HF	(B) H Br		(D) HG
		50-5194040500	(C) H I	(D) <i>HCℓ</i>
16)		er of P_t in $[PtCl(\lambda)]$	$(O_2)(NH_3)_4$ is:-	
	(A) 2	(B) 4	(C) 1	(D) 6
17)	The state of hybrid (A) sp^3	ization of Carbon aton		
	(A) Sp	(B) sp^2	(C) <i>sp</i>	(D) dsp ²

(MULTAN)

	er Code	6 82 2	20	17 (A)]	Roll No	
Nur	nber:	8488	INTERMEDIAT		C-II (12 th CL	ASS)	300
CHI	EMIST	RY PAPE	R-II (OLD SCH				GROUP-II
		OWED: 20 1	10	OBJEC			MUM MARKS: 17
thin! Cutt as gi	k is corre ing or fil ven in ol BLES a	ect, fill that ci lling two or m bjective type o	ices for each objective rele in front of that quere circles will result question paper and le Do not solve question	uestion nu in zero m ave others	mber. Use ma ark in that que blank. No cre	rker or pen t estion. Attem edit will be av	o fill the circles. pt as many question varded in case
(1)		hydrogen halid	de is the weakest acid i	n solution.			
	(A) I	HF	(B) <i>H Br</i>	(C) H I		(D) HC	: l
(2)	Coorio	dation number	of P _t in [PtCl(NO	O_2) (NH_3)	,] is:-		
	(A) 2	2	(B) 4	(C) 1		(D) 6	
(3)	The st	ate of hybridiz	zation of Carbon atom	in Methane	is:-	8.00	
	(A)	sp^3	(B) sp ²	(C) sp		(D) dsp	p ²
(4)	The ac	ldition of unsy	mmetrical reagent to a	ın unsymm	etrical Alkene i	s in accordance	e with the rule:-
	(A) H	und's rule	(B) Markownikov's	rule (C) I	auli's Exclusion	on Principle (D) Auf bau Principle
(5)		compound is	the most reactive one.			V	
	(A) B	enzene	(B) Ethene	(C) Etha	ne	(D) Eth	yne
(6)	Elimi	nation bimolec	cular reactions involve	:-			
	(A) Fi	rst order kinet	ics (B) Second order k	cinetics (C) Third order	Kinetics (D)	Zero order kinetics
(7)		enzyme is no	t involved in fermenta				
	(A) Di	iastase	(B) Zymase	(C) Urea	se	(D) Invo	ertase
(8)	The Ca	arbon atom of	a Carbonyl group is:-			37.55	
	(A) sp	hybridized	(B) sp ² hybridized	(C) sp ³	hybridized	(D) Nor	ne of these
(9)			pared directly from Ac			(-)	
		cetamide	(B) Acetyl Chloride		ic anhydride	(D) Eth	yl acetate
(10)	-	enzyme brin	s about the hydrolysis			(5) 511) r decidio
	(A) Ur			(C) Zym	ase	(D) Lipa	ase
(11)		is not a calcar	ious material.		THE	(5) 2.1	
	(A) Li		(B) Clay	(C) Mark	ole	(D) Mar	ine shell
(12)	A sing	gle Chloride fr	ee radical can destroy			(2) 1.111	ine siten
	(A) 10		PRESENT THE PERSON OF	(C) 1000		(D) 10	
(13)	The ter	nperature in the	ne non-rotating chambe cess has a range:-				
	(A) 9	00 to 1000 °C	(B) 250 to 500 °C	(C) 950	to 1300 °C	(D) 500	to 900 °C
(14)			st acidic character.	,		(0)	
	(A) C		(B) SO ₃	(C) P ₄ O ₁	s.	(D) Al,	0.
(15)		ion will have	the maximum value of	AND SOURCE	TO:	X-72	1-3
	(A) No		(B) Cs +		C) Ba ²⁺	,	D) Mg ²⁺
(16)		nium oxide is:	25 (5		o) bu	A	D) Mg
1000		idic Oxide	(B) Basic Oxide	(C) A	hotoria Out 1	(DVA)	64)
(17)	Section (VIII 4 Ca	ning gas is che		(C) Amp	hoteric Oxide	(D) Non	e of these
	(A) No		(B) N ₂ O	(C) NO		(D) 17	
	(-1) 111	* 60	27 N. 12-2071	(C) NO ₂		(D) N_2 (
			24(C	bj)(XX	ፌፌ)-2017(A)	1-600 (MULTAN)

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Name of Subject Chemis Fun Session 2015-2017

Grou Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code
	8481	8483	8485	8487
1.	B	C	C	D
2.	A	C	A	_
3.	C	B	C	B
4.	D	A	D	4
5.	С	C.	C	B
6.	С	B	B	A
7.	13	C	C	C
8.	A	A	B	D
9.	C	C	A	C
10.	13	D	C	C
11.	C	C	D	B
12.	A	B	C	A
13.	C	C	C	C
14.	D	B	13	B
15.	c	A	A	C
16.	B	C	C	A
17.	C	D	B	C
18.				
19.				
20	+	-	1	-

Group Q. Nos.	Paper Code	Paper Code	Paper Code	Paper
1103.	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	В
6.	D	D	À	B
7.	A	C	D	(
8.	B	B	B	B
9.	B	A	B	A
10.	2	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	D	C
17.	c	A	В	13
18.				
19.				
20.				

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Designation Institution

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0.

شانوی و اعلی شانوی تعلیمی بورد، ملتان موری: <u>۲/۶/۶/۶</u> مغمون: بهتاه کارگ که ماری که که که کردپ: <u>آماه</u> گردپ: <u>آماه</u> جزل بدایات برائے مارکنگ (کارکنگ کیم اینوسیم (مارکنگ سیم) انٹر پارٹ فرسٹ اسینڈ سالانہ اضمی امتحان 2017ء

o #	0-40	Error Indicated	Sr#	Code	Error Indicated
Sr#			_	SP	Spelling Error
1.	UN	Un-Necessary	8.		Punctuation
2.	lr	Irrelevant	9.		
		Incomplete	10.	Wo	Wrong word error
3.			11.	Wt	Wrong Tense
4.	EX	Extra			Wrong Form
5.	Rp	Re-Produced	12.	Wf	
6.	I	Insufficient	13.	OA	Over Attempt
7.	Gr	Grammar Error			

برسوال "Full Award" سے كم نمبرلكانے كى صورت ميں وجيضر وركھيں۔ Q.2.111 corred reason (2) (ii) reason in group I Mark, in period (11) preparation = 1 Equation = 1 (iv. Any two points = > Marks (v) Reason = 1 squarta IVI) two Equations only = 3 (vii) any four vers 1/2 Mark each = 2 wiii, 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 wolustry = 1+1 iii Equations only = 1+1 (iv) Correct reason = 2 marks. (V) Correct Squartions = 1+1

(Ni) correct, squations only = 1+1