A-PE	F Wat	ermark DEMO: Purchase from v	www.A-PDF.com to	remove the watermark				
			2016 (S)	Roll No:				
		INTERMED	DIATE PART-II (12 th CLASS)				
CE	IEMIS	STRY PAPER-II		TIME ALLOWED: 3.10 Hours				
		2	SUBJECTIVE	MAXIMUM MARKS: 83				
NO	TE: - \	Write same question number and	l its part number on	answer book,				
	а	s given in the question paper.						
			SECTION-I					
2.		Attempt any Eight parts.		$8\times2=16$				
	(i)	Ionic character of halides decrease						
	(ii)	Lanthanides contraction controls	the atomic size of 6 th	and 7 th periods.				
	(iii)	Alkali and Alkaline earth metals a	are among the reactiv	re elements of the periodic table. Explain.				
	(iv)	How Gypsum is converted into Plaster of Paris?						
	(v)	CO_2 is non polar in nature, expla	ain.					
	(vi)	Give the name and formula of dif	fferent oxides of Boro	on.				
	(vii)	How does Nitrogen differ from ot	ther elements of its g	roup?				
	(viii)	Why does Aqua Regia dissolve G	Gold and Platinum?					
	(ix)	What are Freons and Teflon?						
	(x)	Arrange the following ions in ord	der of increasing size:	$\overline{F}, \ C\overline{\ell}, \ B\overline{r}, \ \overline{I}$				
	(xi)	Under what conditions does Aluminum Corrode? Explain.						
	(xii)	What are Chelates? Explain with	h suitable example.					
3.		Attempt any Eight parts.		$8 \times 2 = 16$				
	(i)	Write formulas of (i) Naphthale	ene (ii) Anthracen	e				
	(ii)	What is cis – trans Isomerism? G						
	(iii)	Why $Pi(\pi)$ bond is more reactive	ve than sigma (σ) b	ond?				
	(iv)	With equation give polymerizatio	on of Ethene.					
	(v)	How Benzene is prepared from E	thyne? Give reaction	1.				
	(vi)	Write chemical equation for comb	bustion of Benzene.					
	(vii)	How Grignard's reagent is prepar	red? Give chemical:	reaction also.				
	(viii)	Give reaction for preparation of p	orimary amine from A	Alkyl Halide.				
	(ix)	How Methanol and Ethanol can b	e distinguished?					
	(x)	Draw structure of Bakelite.						
	(xi)	How Acid Rain is produced?						
	(xii)	Define C.O.D.						
4.		Attempt any Six parts.		$6\times 2=12$				
	(i)	How will you convert Acetalde	hyde into Crotonalde	ehyde?				
	(ii)	What is Iodoform Test?						
	(iii)	Convert CH3COOH into Ehano	ol and Ethane.					

What is Strecker Synthesis? Give reaction involved.

Give chemical equation for the synthesis of Nylon 6, 6.

What is meant by Primary and Secondary structure of Proteins?

(iv)

(v)

(vi)

Number: 8481 Number: 8481 2016 (S) Roll No.
INTERMEDIATE PART-II (12 th CLASS) CHEMISTRY PAPER-II OBJECTIVE MAXIMUM MARKS: 17 Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questic as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER. Q.No.1 (1) element has highest value of Ionization Energy. (A) K (B) Mg (C) Na (D) He
Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questic as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER. Q.No.1 (1) element has highest value of Ionization Energy. (A) K (B) Mg (C) Na (D) He
(A) K (B) Mg (C) Na (D) He
(b) Inc
(2) element is collected at Cathode during the electrolysis of aqueous solution of $NaC\ell$.
(A) Na (B) Hydrogen (C) Oxygen (D) Chlorine
(3) Bauxite is the mineral of:-
(A) B (B) Na (C) $A\ell$ (D) K
(4) catalyst is used in contact process.
(A) Fe_2O_3 (B) Ag_2O (C) SO_3 (D) V_2O_5
(5) is the strongest acid.
(A) $HC\ell O_4$ (B) $HC\ell O_3$ (C) $HC\ell O_2$ (D) $HC\ell O$
(6) The coordination number of Pt in $[PtCl(NO_2)(NH_3)_4]$ is:-
(A) 4 (B) 2 (C) 6 (D) 8
(7) The Hybridization of Carbon atom in Methane is:-
(A) sp (B) sp^{3} (C) sp^{2} (D) dsp^{2}
(8) Preparation of vegetable ghee involves:-
(A) Hydrogenation (B) Halogenation (C) Hydroxylation (D) Dehydrogenation
(9) During nitration of Benzene, the active nitrating agent is:-
(A) NO_2 (B) NO_2^+ (C) NO_3 (D) HNO_3
(10) is not a Nucleophile.
(11) Rectified Spirit contains Alcohol about:-
(A) 85 % (B) 95 % (C) 90 % (D) 80 % (12) $\underline{\hspace{1cm}}$ compound will not give iodoform test on treatment with I_2 / NaOH.
(A) Acetaldehyde (B) Acetone (C) Butanone (D) 3 – pentanone
(13) The solution of acid is used for seasoning of food.
(A) Formic Acid (B) Acetic Acid (C) Benzoic Acid (D) Carbonic Acid
(14) The reaction between Fat and NaOH is called:-
(A) Saponification (B) Esterification (C) Hydrogenolysis (D) Fermentation
(15) zones through which the charge passes in a Rotary Kiln.
(A) 4 (B) 3 (C) 2 (D) 5
(16) Peroxyacetylnitrate (PAN) is an irritant to human beings and it affects:-
(A) Eyes (B) Nose (C) Stomach (D) Ears
(17) Ecosystem is a smaller unit of:-
(A) Lithosphere (B) Hydrosphere (C) Atmosphere (D) Biosphere
23(Obj)(**)-2016(S)-2000 (MULTAN)

Pape	er Code							
Num	ber:	8483		2016 (S)	Roll No			
L			ot intermei	DIATE PART-II (12 th (•			
CHE	/W1151 F	RY PAP		<u>OBJECTIVE</u>	TIME ALLOWED: 20 Minutes MAXIMUM MARKS: 17			
Note	: Von he	ave four ch						
think Cuttin as giv	is correcting or filling or filling or filling on the filling of t	et, fill that o ing two or jective type	circle in front of the more circles will re question paper a Do not solve que	nat question number. Use esult in zero mark in that	B, 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 ECTIVE PAPER.			
(1)				(0) 11010	(T) 1761			
(2)	The coo (A) 4	rdination n	(B) $HClO_3$ umber of Pt in P	(C) $HC\ell O_2$ $CtC\ell(NO_2)(NH_3)_4$ is:- (C) 6	(D) <i>HClO</i>			
(3)	` '	hridization	of Carbon atom in	` '	(D) 8			
(5)	(A) <i>sp</i>	onaization	(B) sp^3		(D) 1 2			
(4)		41	· · · · ·	(C) sp^2	(D) dsp^2			
(4)			etable ghee involve					
(5)	· · · · · · ·	drogenation	` ,		(D) Dehydrogenation			
(5)				e nitrating agent is:-				
	(A) No	O_2	(B) NO_2^+	(C) NO_3	(D) HNO ₃			
(6)	is not a Nucleophile.							
	(A) H_2	Ö:	(B) $H_2\ddot{S}$:	(C) $\ddot{N}H_3$	(D) BF ₃			
(7)	Rectifie	ed Spirit co	ntains Alcohol abou	ut:-				
(8)			(B) 95 % ll not give iodoforr (B) Acetone	(C) 90 % m test on treatment with I_2 / (C) Butanone	(D) 80 % (NaOH. (D) 3 – pentanone			
(9)	, ,	•	_ acid is used for s		(b) 3 – pentanone			
` ,		mic Acid	(B) Acetic Acid		(D) Carbonic Acid			
(10)			een Fat and NaOH		(2) caroome ricia			
		onification		on (C) Hydrogenolysis	(D) Fermentation			
(11)	zo	nes through		passes in a Rotary Kiln.	(-)			
	(A) 4		(B) 3	(C) 2	(D) 5			
(12) Peroxyacetylnitrate (PAN) is an irritant to human beings and it affects:-				, ,				
	(A) Eye		(B) Nose	(C) Stomach	(D) Ears			
(13)	Ecosyst	em is a sma	ıller unit of:-					
	(A) Lith	nosphere	(B) Hydrospher	e (C) Atmosphere	(D) Biosphere			
(14)		element ha	s highest value of I	onization Energy.				
	(A) <i>K</i>		(B) <i>Mg</i>	(C) Na	(D) He			
(15)	ele	ement is col	lected at Cathode of	luring the electrolysis of aqu	ueous solution of $NaC\ell$.			
	(A) Na		(B) Hydrogen	(C) Oxygen	(D) Chlorine			
(16)	Bauxite	e is the mine	eral of:-					
	(A) B		(B) <i>Na</i>	(C) Al	(D) <i>K</i>			
(17)		catalyst is u	sed in contact proce	ess.				
	(A) Fe ₂	O_3	(B) Ag_2O	(C) SO ₃	(D) V_2O_5			

Pap	er Code				
Nun	nber: 84	185		016 (S)	Roll No
			' INTERMEDIA	TE PART-II (12 th (
CHI	EMISTRY	PAPE		<u>JECTIVE</u>	TIME ALLOWED: 20 Minutes MAXIMUM MARKS: 17
think Cutti as giv BUB Q.No	t is correct, filing to the contract in the co	Il that cir two or m ve type q t filled.	rcle in front of that ore circles will resuluestion paper and lead on the color of	question number. Use t in zero mark in that	B, C and D. The choice which you marker or pen to fill the circles. question. Attempt as many question credit will be awarded in case ECTIVE PAPER.
(1)			able ghee involves:-		
				(C) Hydroxylation	(D) Dehydrogenation
(2)	During nitra	ation of I	Benzene, the active ni	trating agent is:-	
	(A) NO_2		(B) NO_2^+	(C) NO_3	(D) HNO ₃
(3)	is not	t a Nucle	ophile.		
	(A) $H_2\ddot{O}$:		(B) $H_2\ddot{S}$:	(C) $\ddot{N}H_3$	(D) BF ₃
(4)	Rectified Sp	oirit conta	ains Alcohol about:-		
(5)	(A) 85 %	ound will	(B) 95 %	(C) 90 % st on treatment with I_2 (C) Butanone	
(6)	The solution	of	acid is used for seaso		
			(B) Acetic Acid	(C) Benzoic Acid	(D) Carbonic Acid
(7)	The reaction	between	Fat and NaOH is c		
	(A) Saponif	ication	(B) Esterification	(C) Hydrogenolysis	(D) Fermentation
(8)	zones th	rough w	hich the charge passe	s in a Rotary Kiln.	
	(A) 4		(B) 3	(C) 2	(D) 5
(9)	Peroxyacety	lnitrate (I	PAN) is an irritant to	human beings and it aff	ects:-
	(A) Eyes		(B) Nose	(C) Stomach	(D) Ears
(10)	Ecosystem i	is a small	er unit of:-		
	(A) Lithosp	here	(B) Hydrosphere	(C) Atmosphere	(D) Biosphere
(11)	ele	ment has	highest value of Ioni	zation Energy.	
	(A) <i>K</i>		(B) <i>Mg</i>	(C) Na	(D) He
(12)	eleme	ent is coll	ected at Cathode duri	ng the electrolysis of ac	queous solution of $NaC\ell$.
	(A) Na		(B) Hydrogen	(C) Oxygen	(D) Chlorine
(13)	Bauxite is	the mine	ral of:-		
	(A) <i>B</i>		(B) <i>Na</i>	(C) Al	(D) <i>K</i>
(14)	catal	yst is use	d in contact process.		
	(A) Fe_2O_3		(B) Ag_2O	(C) SO ₃	(D) V_2O_5
15)	is the	stronges	st acid.		
	(A) <i>HCℓO</i> ₄		(B) <i>HClO</i> ₃	(C) HClO,	(D) HClO
(16)	The coordin	ation nur	mber of Pt in $[PtC\ell]$. ,
	(A) 4		(B) 2	(C) 6	(D) 8
(17)	The Hybridi	ization of	f Carbon atom in Met	hane is:-	
	(A) sp		(B) sp^3	$(C)^{-}sp^2$	(D) dsp^2
				22(21:)(-1	L_A

Num	hor: 84	187	2	2016 (S)	Roll No
			INTERMEDIA	ATE PART-II (12	cth CLASS)
CHE	MISTRY	PAPE			TIME ALLOWED: 20 Minutes
			<u>OB</u>	<u>JECTIVE</u>	MAXIMUM MARKS: 17
think Cuttin as give BUBB Q.No.	is correct, filing to the control of	ll that cir wo or m ve type o	rcle in front of that ore circles will resu question paper and Do not solve questi	question number. Unlike in zero mark in the leave others blank. On on this sheet of O	A, B, C and D. The choice which you Use marker or pen to fill the circles. hat question. Attempt as many questions No credit will be awarded in case DBJECTIVE PAPER.
(1)		through v		ses in a Rotary Kiln.	
	(A) 4		(B) 3	(C) 2	(D) 5
(2)		Initrate (PAN) is an irritant to	human beings and it	t affects:-
	(A) Eyes		(B) Nose	(C) Stomach	(D) Ears
(3)	Ecosystem is	s a small	er unit of:-		
	(A) Lithospl	here	(B) Hydrosphere	(C) Atmosphere	(D) Biosphere
(4)	eler	nent has	highest value of Ion	ization Energy.	
	(A) <i>K</i>		(B) <i>Mg</i>	(C) <i>Na</i>	(D) He
(5)	elemen	nt is colle	ected at Cathode duri	ng the electrolysis of	aqueous solution of NaCl.
	(A) Na		(B) Hydrogen	(C) Oxygen	(D) Chlorine
(6)	Bauxite is th	e minera	al of:-		
	(A) B		(B) <i>Na</i>	(C) Al	(D) <i>K</i>
(7)	cataly	yst is use	d in contact process.		
	(A) Fe_2O_3		(B) Ag_2O	(C) SO ₃	(D) V_2O_5
(8)	is the	stronges	st acid.		
	(A) $HC\ell O_4$		(B) <i>HCℓO</i> ,	(C) HClO,	(D) HClO
(9)	The coordina	ation nur	•	$(NO_2)(NH_3)_4$ is:-	
	(A) 4		(B) 2	(C) 6	(D) 8
(10)	The Hybridia	zation of	Carbon atom in Me	thane is:-	
	(A) <i>sp</i>		(B) sp^3	(C) sp^2	(D) dsp^2
(11)	Preparation	of veget	able ghee involves:-	•	
	(A) Hydroge	enation	(B) Halogenation	(C) Hydroxylatio	on (D) Dehydrogenation
(12)	During nitra	ition of I	Be <mark>nzene</mark> , the acti <mark>ve</mark> n	itrating agent is:-	, , , ,
	(A) NO_2		(B) NO_{2}^{+}	(C) <i>NO</i> ₃	(D) <i>HNO</i> ₃
(13)	is not	t a Nucle	cophile.	` , ' 3	() 3
` '	(A) $H_2\ddot{O}$:		(B) <i>H</i> , <i>S</i> :	(C) <i>NH</i> ,	(T)
(14)			•	•	(D) BF_3
(14)		pirit con	tains Alcohol about:		(T) 00 04
(15)				(C) 90 % est on treatment with	(D) 80 % I ₂ / NaOH .
	(A) Acetalde	•	(B) Acetone	(C) Butanone	(D) 3 – pentanone
(16)			acid is used for seas		
/ d. #=="			(B) Acetic Acid	(C) Benzoic Acid	(D) Carbonic Acid
(17)			n Fat and NaOH is	called:-	
	(A) Saponifi	cation	(B) Esterification	(C) Hydrogenoly	sis (D) Fermentation
				23(Obj)(************************************	(*)-2016(S)-2000 (MULTAN)

Paper Code

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION.

MULTAN / Suffly.

OBJECTIVE KEY FOR INTER (PART I/II) ANNUAL Examination, 2015.

Name of Subject Chemistry Session 2014-16.

,		i			
	Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code
		8481	8483	8485	8487
	1.	\mathcal{D}	A	A	A
	2.	B	C	B	A
	3.	C	B	\mathcal{D}	\mathcal{D}
	4.	\mathcal{D}	A	B	\mathcal{D}
	5.	A	B	D	B
	6.	A	\mathcal{D}	B	<
	7.	B	B	A	\mathcal{D}
	8.	A	\mathcal{D}	A	A
	9.	B	B	A	С
	10.	\mathcal{D}	A	\mathcal{D}	B
	11.	B	A	\mathcal{P}	A
1	12	\mathcal{D}^{\perp}	A	B	B
	1.	B	\mathcal{D}	C	\mathcal{D}
Γ	.4.	A	\mathcal{D}		B
	15.	A	B	D A C	\mathcal{D}
	16.	A	B	C	DB
	17	\mathcal{D}	\mathcal{D}	B	A
	18.				
/ j	19.				
7	20.				

سرفيفيكيك بابت تصحيح سواليدير چيا ماركنگ Key

ہم نے مفہون: کر انسانی اسلامی ہے: یہ سیاری انسانی اسلامی کوئی کوئی کا کھنے اسلامی (Subjective & Objevtive) کوئی کہ منظمی نہ ہے۔ ہم نے سوالیہ پر چہ کا اردواور انگریز کا Version بھی چیک کرلیا ہے یہ اسلامی سیاری سیاری سلامی کا اردواور انگریز کا Syllabus بھی چیک کرلیا ہے یہ اور سلید سلامی کا کہ کہ مطابق بھی ہیں۔ نیز اس پر چہ کی ادرواور انگریز کی جاتب بھی تقد این کی جاتب ہے کہ نیز بھی ورست بنائی گئے ہے۔ اس میں بھی کی تھم کی کوئی فلطی نہ ہے۔ کے مطابق بھی ہیں۔ نیز اس پر چہ کی جاتب سے تیارہ کردہ ہدایات وصول کر کے ان کا بغور مطالعہ کرلیا ہے اور ان کی روشی میں میں انگریز کی جانب سے تیارہ کردہ ہدایات وصول کر کے ان کا بغور مطالعہ کرلیا ہے اور ان کی روشی میں PREPARED & CHECKED BY

Sr.No Name	Designation	Institution	Mobile No.	Signature.
1- Khalid Mateen	Associate prof	College Mulkon	0322 - <u>6114844</u>	Dt-
2- TARIO SHEHZAD	Assistant Prof.	Govt Emerson Callege Multan	0334- 6070969	#
3. Mirla Salem B	M ALLA Ph	[QUIA 11-9	Callegrellon	
	,		63346.397	24 000

تانوی واعلی ثانوی تعلیمی بورڈ، ملتان

2-11-2016 319 2-11-2016 319

جزل بدایات برائے ماد کنگ Key نیوسیم الولائے م (مارکنگ سیم)

انٹریارٹ فرسٹ اسکنڈ ساکلند اسمنی امتیان 2016ء Se ction - I

Q2(i) Correct answer 02 marks

(ii) Correct answer of marks

(iii) Correct answer of marks

(iv) Correct answer of marks

(U) Correct answer of marks

(vi) Two names & two formulas 1/2×4 = 02

(vii) Any four differences 1/2 x 4 = 02

(viii) Correct answer with equations 1+1

(ix) Correct answer 1+1

(X) Correct answere 02 marks.

(XI) Correct answer 02 marks

(Xii) Correct definition = 01 mark One Example = of mark.

Q3(i) Correct formulas = 1+1 mark

(ii) Correct definition = 01 mark One example = 01 mark

(iii) Correct answer = 02 marks

(iv) Correct equation = 02 marks

(v) Correct equation = 02 marks along with conditions

(vi) Correct equation = 02 marks

(vii) Preparation = 01 mark

Chemical Reaction = 01 mark (VIII) Two marks for correct preparation

(ix) 02 marks for Correct identification

(X) Correct stancture = 02 marks

(XI) Correct answer = 02 marks

(Xii) Correct definition = 02 marks

1-(i) Correct conversion = 02 marks.

(ii) Correct answer with equation = 01+01 mark. general instructions

(iii) Correct Conversions = 0(+0) mark

(iv) Correct equation = 02 marks

ثانوی و اعلیٰ ثانوی تعلیمی بورڈ، ملتان

مورند: <u>11-2-11-2</u> مفتون: <u>۲۴ که که ۱۱-2-11- گروپ:</u> جزل بدایات برائے ارکنگ Key نیوسیم (ارکنگ سیم) انٹر یارٹ فرسٹ اسیکنڈ سالکرند احتمنی امتحان 2016ء

(v) Correct equation = 02 marks (vi) Correct answer = 01+01 mark. (vii) Definition = of mark, Information = of mark (viii) Correct answer = 02 marks (ix) Correct answer = 02 marks. Section-II Q5(a) Correct description = 04 marks b) Description= of mark, Diagram = of mark. Correct Equations = 02 marks Q6(a) of mark for each method = (01x4)=04 marks (b) Any four points 01x4 = 04 marks Q7 (a) Description = 03 marks, Equation=01 mark (b) Correct explanation = 04 marks (1) 8(a) Equation = 01 mark. Mechanism = 03 marks (b) Definition = 01 marks, Three examples = 1x3 = 03 marks Q 9 Definition = 01 mont, Classification o3 marks with examples b) Explaination = 02 marks, Resonance structures = 02 marks. Q14 i)] Group identification = of mark Radical identification = 01 marks Two Confirmatory Tests = 1/2 x 2 = 03 marks iv) Any five points (1x5) = 05 marks Material = 01 mork. (Amor'd fractional marking, Please Equation = 0) Procedure = 03 marks. 2. Tariay Shehzad 1- Khalid Mateen Six Gost-Emerson College Multa. Govt. Emerson Callege Multan 0334-6070969 0322-6114844. MIYEM Saleson Boy GIVFAH1 Callege Multar

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