		2018 (A) Roll No:	
		INTERMEDIATE PART-II (12th CLASS)	
C	HEM	STRY PAPER-II (NEW SCHEME) GROUP-I	
T	ME A	T T ON TOP A 10 TT	MARKS: 68
		Write same question number and its part number on answer book,	i wa nato. oo
		as given in the question paper.	
		SECTION-I	
2.		Attempt any eight parts.	$8 \times 2 = 16$
	(i)	Define Atomic Radius. Why Atomic Radius of Alkali metals increases in group of	Periodic table?
	(ii)	What are Halides? Give their types.	AND SERVICE STATE OF THE PROPERTY OF THE PROPE
	(iii)	What is function of Ca in plant growth?	
	(iv)	What is the formula of Red Lead? Give its principle uses.	
	(v)	What is the effect of heat on the Orthoboric Acid?	
	(vi)	What is the Chemistry of the Borax-bead Test?	
	(vii) (viii)	Orthophosphoric acid is a weak tribasic acid. Prove it giving reactions with NaOH	•
	(viii)	Complete the following chemical equations:-	
		(a) $H_2S + NO_2 \longrightarrow$ (b) $KI + NO_2 \longrightarrow$	
	(ix)	Concentrated H_2SO_4 act as a dehydrating agent. Give two examples.	
	(x)	What is meant by Biochemical Oxygen Demand?	
	(xi)	Define Smog. Give the composition of Photochemical Smog.	
3.	(xii)	What is an Oil Refinery? Mention oil refineries in Pakistan.	
٥.	(i)	Attempt any eight parts.	$8\times 2=16$
	(1)	Name the following complexes according to IUPAC System:- (a) $\left[Cr(OH)_3(H_2O)_3\right]$ (b) $K_2\left[Pt(C\ell)_6\right]$	
	(;;)		
	(ii) (iii)	Define the term coordination number with an example.	
	(iv)	How Ethylene is converted into? (a) Ethylene Oxide (b) Ethylene glycol How will you convert 1 – propanol into 1 – chloro – 2 – propanol?	
	(v)	Write down the structural formulae of following compounds:-	
		(a) Benzophenone (b) Acetophenone	
	(vi)	Which method is more useful for the preparation of ethyl chloride? Give its chemic	cal reaction.
	(vii)	Write down the structural formulae of following compounds:-	an remember
		(a) Glycerol (b) Lactic acid	
	(viii)	Ethyl alcohol is a liquid while methylchloride is a gas? Justify.	
	(ix)	How will you distinguish between Acetaldehyde and Benzaldehyde?	
	(x) (xi)	Discuss the reaction of an aldehyde with Tollen's reagent. What are Zwitter Ions?	
	(xii)		
4.	(411)	What is a Peptide Bond? Write down formula of a dipeptide? Attempt any six parts.	Z 2 = 12
	(i)	What are Thermosetting Polymers? Give an example.	$6\times 2=12$
	(ii)	Define Saponification number with an example.	
	(iii)	Write four importances of Lipids.	
	(iv)	What are Micronutrients?	
	(v)	Describe the composition of a good Portland cement.	
	(vi)	How is the wet sheet of paper dried in paper industry?	
	(vii)	Why is HF a weaker acid than $HC\ell$?	
	(viii)	Write the reactions of bleaching powder with (a) NH_3 (b) CO_2	
	(ix)	Give two uses of Argon.	
		SECTION II	
NIA	TENED.	SECTION-II	
	TE: -	Attempt any three questions.	$8 \times 3 = 24$
NO 5.(a) Ex	Attempt any three questions. Plain the position of Hydrogen in 1 A and VII A groups and explain its similarities and	ıd
5.(a) Exp	Attempt any three questions. blain the position of Hydrogen in 1 A and VII A groups and explain its similarities an imilarities with those groups.	id 4
5.(a (b	diss) Wh	Attempt any three questions. Plain the position of Hydrogen in 1 A and VII A groups and explain its similarities an imilarities with those groups. at is the role of Gypsum in Agriculture and Industry?	4 4
5.(a (b	diss () Wh () Exp	Attempt any three questions. blain the position of Hydrogen in 1 A and VII A groups and explain its similarities an imilarities with those groups. at is the role of Gypsum in Agriculture and Industry? blain the following properties of Transition metals:-	id 4
5.(a (b) Exp diss) Wh) Exp (i) l	Attempt any three questions. blain the position of Hydrogen in 1 A and VII A groups and explain its similarities an imilarities with those groups. at is the role of Gypsum in Agriculture and Industry? blain the following properties of Transition metals:- Caramagnetism (ii) Colour	4 4 4 4
5.(a (b 6.(a (b	(i) Exp diss (ii) Wh (i) Exp (ii) I	Attempt any three questions. Plain the position of Hydrogen in 1 A and VII A groups and explain its similarities and imilarities with those groups. Paramagnetism (ii) Colour Plain the process of incineration of industrial waste.	4 4 4 4
5.(a (b 6.(a (b	(i) Exp diss (i) Wh (i) Exp (i) I (i) Def (i) Pre	Attempt any three questions. Isolain the position of Hydrogen in 1 A and VII A groups and explain its similarities and imilarities with those groups. It is the role of Gypsum in Agriculture and Industry? Isolain the following properties of Transition metals:- Paramagnetism (ii) Colour Isolain the process of incineration of industrial waste. In Alicyclic compounds and Aromatic compounds with one example in each case, dict the major products of bromination of the following compounds:-	4 4 4 4
5.(a (b 6.(a (b 7.(a (b	(i) 1 Exp diss (ii) 1 Exp (ii) 1 Exp (iii) 1 Pre (ii) 1	Attempt any three questions. Isolain the position of Hydrogen in 1 A and VII A groups and explain its similarities and imilarities with those groups. It is the role of Gypsum in Agriculture and Industry? Isolain the following properties of Transition metals:- Paramagnetism (ii) Colour Isolain the process of incineration of industrial waste. Isolain the process of incineration of industrial waste. Isolain the major products of bromination of the following compounds:- Coluene (ii) Benzoic acid (iii) Benzaldehyde (iv) Phenol	4 4 4 4
5.(a (b 6.(a (b 7.(a (b	(i) 1 (i) 2 (i) 1 (i) 1 (i) 1 (i) 2 (i) 3 (i) 3 (i) 3 (i) 3	Attempt any three questions. Isolain the position of Hydrogen in 1 A and VII A groups and explain its similarities and imilarities with those groups. It is the role of Gypsum in Agriculture and Industry? Isolain the following properties of Transition metals:- Paramagnetism (ii) Colour Isolain the process of incineration of industrial waste. In Alicyclic compounds and Aromatic compounds with one example in each case. In Alicyclic compounds of bromination of the following compounds:- Coluene (ii) Benzoic acid (iii) Benzaldehyde (iv) Phenol will you bring about the following conversions?	4 4 4 4
5.(a (b 6.(a (b 7.(a (b 8.(a	(i) Exp diss (i) Wh (i) Exp (i) Det (i) Pre (i) The (i) I	Attempt any three questions. Isolain the position of Hydrogen in 1 A and VII A groups and explain its similarities and imilarities with those groups. It is the role of Gypsum in Agriculture and Industry? Isolain the following properties of Transition metals:- Paramagnetism (ii) Colour Isolain the process of incineration of industrial waste. In Alicyclic compounds and Aromatic compounds with one example in each case. Isolain the major products of bromination of the following compounds:- Toluene (ii) Benzoic acid (iii) Benzaldehyde (iv) Phenol will you bring about the following conversions? Methane to Ethane (ii) Acetic acid to Ethane	4 4 4 4 4 4
5.(a (b 6.(a (b 7.(a (b 8.(a	(i) Exp diss (i) Wh (i) Exp (i) Det (i) Pre (i) 1 (i) Mov (i) Mov	Attempt any three questions. Isolain the position of Hydrogen in 1 A and VII A groups and explain its similarities and imilarities with those groups. It is the role of Gypsum in Agriculture and Industry? Isolain the following properties of Transition metals:- Paramagnetism (ii) Colour Isolain the process of incineration of industrial waste. Isolain the following compounds with one example in each case. Isolain the process of incineration of industrial waste. Isolain the process of incineration of industrial waste. Isolain the following compounds with one example in each case. Isolain the process of incineration of industrial waste. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. I	4 4 4 4 4 4
5.(a (b 6.(a (b 7.(a (b 8.(a	(i) 1 (i) 1 (i) 1 (i) 1 (i) 1 (i) 2 (i) 3 (i) 4 (i) 4 (ii) 4 (ii) 1 (ii) 3 (iii) 4 (iii)	Attempt any three questions. Isolain the position of Hydrogen in 1 A and VII A groups and explain its similarities and imilarities with those groups. It is the role of Gypsum in Agriculture and Industry? Isolain the following properties of Transition metals:- Paramagnetism (ii) Colour Isolain the process of incineration of industrial waste. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each	4 4 4 4 4 4
5.(a (b 6.(a (b 7.(a (b 8.(a	(i) Exp diss (i) Wh (i) Exp (i) I (i) Pre (i) Mov (i) Mov (i) Wri (i) V	Attempt any three questions. Isolain the position of Hydrogen in 1 A and VII A groups and explain its similarities and imilarities with those groups. It is the role of Gypsum in Agriculture and Industry? Isolain the following properties of Transition metals:- Paramagnetism (ii) Colour Isolain the process of incineration of industrial waste. Isolain the following compounds with one example in each case. Isolain the process of incineration of industrial waste. Isolain the process of incineration of industrial waste. Isolain the following compounds with one example in each case. Isolain the process of incineration of industrial waste. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. Isolain the following compounds with one example in each case. I	4 4 4 4 4 4

Pape	er Code	2	018 (A)	Roll No
Nun	aber: 4481	INTERMEDIA	ATE PART-II (12	h CLASS)
CH	EMISTRY PAP	ER-II (NEW SC	CHEME) GROU	P-I
	Æ ALLOWED: 20		OBJECTIVE	MAXIMUM MARKS: 1
Not	e: You have four che	oices for each objective	e type question as A,	B, C and D. The choice which you
Cutt	ting or filling two or n	nore bubbles will resi	question number. U ult in zero mark in th	se marker or pen to fill the bubbles. at question. Attempt as many
ques	stions as given in obje	ctive type question pa	aper and leave others	blank. No credit will be awarded in
Q.No	o.1	lled. Do not solve qu	estions on this sheet	of OBJECTIVE PAPER.
(1)	Keeping in view th	e size of atoms, the con	rrect order is:-	
		(B) $Ba > Mg$		(D) $C\ell > I$
(2)		$.2H_2O$ has general nar		VEX. 32. 3
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom Salt
(3)	elements is n	ot present abundantly i		(D) Desoin Suit
	(A) Silicon	(B) Aluminium	(C) Sodium	(D) Oxygen
(4)	Oxidation of NO is		(c) Soutain	(D) Oxygen
	(A) N ₂ O	(B) N_2O_3	(C) N ₂ O ₄	(D) N_2O_5
(5)	The anhydride of H			(=7-72)
	(A) <i>ClO</i>	(B) ClO ₂	(C) ClO ₃	(D) Cl ₂ O ₇
(6)	Co-ordination numb	er of Pt in [PtCl(No		(2) 50707
	(A) 2	(B) 4		(D) (
(7)	Ether shows the phe		(C) 1	(D) 6
(.)			roun isomorism (C) N	Metamerism (D) Cis-trans isomerism
(8)		bines with $HC\ell$ to for		vietamerism (D) Cis-trans isomerism
	ALLES TO THE PARTY OF THE PARTY	(B) Benzene	(C) Chloroprene	(D) Divinul contribut
(9)		s a catalyst in Friedel-		(D) Divinyl acetylene
		(B) HNO ₃		(D) N CA
(10)			(C) $BeCl_2$	(D) NaCl
(10)	is not a nucle	200	Anna andra	
59.50	(A) H_2O		(C) BF_3	(D) NH_3
(11)		concept; ether behaves	s as:-	
	(A) Acid		Acid as well as a base	(D) Electrophile
(12)	The Carbon atom of	a Carbonyl group is:-		
	(A) sp hybridized	(B) sp ² hybridized	(C) sp ³ hybridized	(D) dsp ² hybridized
(13)	Acetic acid can be n	nanufactured by:-		
	(A) Distillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification
14)	The main pollutant of	of leather tanneries in t	he waste water is due	to the salt of:-
	(A) Lead	(B) Chromium (VI)	(C) Copper	(D) Chromium (III)
15)	The reaction between	a fat and NaOH is:-		
	(A) Esterification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
16)	Phosphorus helps in	the growth of:-		
	(A) Root	(B) Leave	(C) Stem	(D) Seed
17)	is secondary	pollutant.		
	(A) Carbonic acid	(B) CO.	(C) SO.	(D) CO

Paper Cod	e	2018 (A)	Roll No.
Number:	4483	INTERMEDIATE PART-II	(12 th CLASS)

COLUMN STREET			
CHEMISTRY	PAPER-II	(NEW SCHEME)	CDOUDI

TIM	E ALLOWED: 20	Minutes	OBJECTIVE	MAXIMUM MARKS: 17
think Cutti quest	is correct, fill that k ng or filling two or i ions as given in obje BUBBLES are not fi	oubble in front of that nore bubbles will resu ective type question pa	question number. Us It in zero mark in tha per and leave others	B, C and D. The choice which you se marker or pen to fill the bubbles. It question. Attempt as many blank. No credit will be awarded in f OBJECTIVE PAPER.
(1)	The main pollutant	of leather tanneries in t	he waste water is due	to the salt of:-
	(A) Lead	(B) Chromium (VI)	(C) Copper	(D) Chromium (III)
(2)	The reaction between	en a fat and NaOH is:-		
	(A) Esterification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
(3)	Phosphorus helps i	n the growth of:-		
	(A) Root	(B) Leave	(C) Stem	(D) Seed
(4)	is secondar	y pollutant.		
	(A) Carbonic acid	(B) CO ₂	(C) SO ₂	(D) <i>CO</i>
(5)	Keeping in view th	e size of atoms, the corn	rect order is:-	
	(A) $Mg > Sr$	(B) $Ba > Mg$	(C) $Lu > Ce$	(D) $C\ell > I$
(6)	The mineral CaSO ₄	$.2H_2O$ has general nam	e of:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom Salt
(7)	elements is n	ot present abundantly in	earth's crust.	
	(A) Silicon	(B) Aluminium	(C) Sodium	(D) Oxygen
(8)	Oxidation of NO is	n air produces:-		
	(A) N_2O	(B) N_2O_3	(C) N_2O_4	(D) N_2O_5
(9)	The anhydride of H	ClO ₄ is:-		
	(A) <i>ClO</i>	(B) $C\ell O_2$	(C) ClO ₃	(D) $C\ell_2O_7$
(10)	Co-ordination numb	per of Pt in $PtC\ell(NC)$	$(NH_3)_4$] ²⁻ is:-	
	(A) 2	(B) 4	(C) 1	(D) 6
(11)	Ether shows the pho	enomenon of:-		
	(A) Position isomer	ism (B) Functional gr	oup isomerism (C) M	letamerism (D) Cis-trans isomerism
(12)		mbines with HCℓ to for		
	(A) Polyacetylene	(B) Benzene	(C) Chloroprene	(D) Divinyl acetylene
(13)	can be used	as a catalyst in Friedel-0	Craft's reactions.	
	(A) $A\ell C\ell_3$	(B) <i>HNO</i> ₃	(C) BeCl ₂	(D) NaCℓ
(14)	is not a nucl	eophile,		
	(A) H_2O	(B) H_2S	(C) BF ₃	(D) <i>NH</i> ₃
(15)	According to Lewis	concept; ether behaves	as:-	
	(A) Acid	(B) Base (C) A	Acid as well as a base	(D) Electrophile
(16)	The Carbon atom o	f a Carbonyl group is:-		
	(A) sp hybridized	(B) sp^2 hybridized	(C) sp ³ hybridized	(D) dsp ² hybridized
(17)	Acetic acid can be i	manufactured by:-		
	(A) Distillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification

Paper Code		201	8 (A)	Roll No
Number	4485	INTERMEDIAT	TE PART-II (12 th	CLASS)
CHEM TIME Note: think is Cutting questio case BU Q.No.1	AISTRY PAPE ALLOWED: 20 You have four cho correct, fill that b g or filling two or n ns as given in object	vices for each objective ubble in front of that quore bubbles will result tive type question papuled. Do not solve question	OBJECTIVE type question as A, E question number. Use t in zero mark in that er and leave others b	MAXIMUM MARKS: 1 3, C and D. The choice which you e marker or pen to fill the bubbles. t question. Attempt as many blank. No credit will be awarded in OBJECTIVE PAPER.
	(A) Position isomer	ism (B) Functional gro	oup isomerism (C) M	letamerism (D) Cis-trans isomerism
(2)	Vinyl acetylene con	nbines with $HC\ell$ to form	n:-	
	(A) Polyacetylene	(B) Benzene	(C) Chloroprene	(D) Divinyl acetylene
(3)	can be used	as a catalyst in Friedel-C	Craft's reactions.	
	(A) $A\ell C\ell_3$	(B) HNO ₃	(C) BeCl ₂	(D) NaCℓ
(4)	is not a nuc	leophile.		
	(A) H ₂ O	(B) H_2S	(C) BF ₃	(D) NH ₃
(5)	According to Lewi	s concept; ether behaves	s as:-	
	(A) Acid	(B) Base (C)	Acid as well as a base	(D) Electrophile
(6)	The Carbon atom o	f a Carbonyl group is:-		
	(A) sp hybridized	(B) sp ² hybridized	(C) sp ³ hybridized	(D) dsp ² hybridized
(7)	Acetic acid can be			
	(A) Distillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification
(8)	The main pollutan	t of leather tanneries in t	the waste water is due	to the salt of:-
	(A) Lead	(B) Chromium (VI)	(C) Copper	(D) Chromium (III)
(9)	The reaction between	en a fat and NaOH is:-		
	(A) Esterification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
(10)	Phosphorus helps	in the growth of:-		
	(A) Root	(B) Leave	(C) Stem	(D) Seed
(11)	is secondar	ry pollutant.		
	(A) Carbonic acid	(B) CO ₂	(C) SO ₂	(D) <i>CO</i>
(12)	Keeping in view t	he size of atoms, the cor	rect order is:-	
	(A) $Mg > Sr$	(B) $Ba > Mg$	(C) $Lu > Ce$	(D) $C\ell > I$
(13)	The mineral CaSC	$O_4.2H_2O$ has general nar	ne of:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom Salt
(14)	elements is	s not present abundantly	in earth's crust.	
	(A) Silicon	(B) Aluminium	(C) Sodium	(D) Oxygen
(15)	Oxidation of NO	in air produces:-		
	(A) N_2O	(B) N_2O_3	(C) N_2O_4	(D) N_2O_5
(16)	The anhydride of	$HC\ell O_4$ is:-		
(10)	the same of the sa			
(10)	(A) <i>ClO</i>	(B) CℓO ₂	(C) ClO ₃	(D) $C\ell_2O_7$

(B) 4

(A) 2

(D) 6

	ALLOWED: 20	CR-II (NEW SCH Minutes	OBJECTIVE	MAXIMUM MARKS: 17
Note: think is Cuttin questi	You have four cho is correct, fill that be ig or filling two or mons as given in object UBBLES are not fil	ices for each objective to the couple in front of that que tore bubbles will result the type question paper.	uestion number. Uso in zero mark in that er and leave others b	B, C and D. The choice which you e marker or pen to fill the bubbles. It question. Attempt as many blank. No credit will be awarded in OBJECTIVE PAPER.
(1)	Oxidation of NO in	air produces:-		
	(A) N_2O	(B) N_2O_3	(C) N_2O_4	(D) N_2O_5
(2)	The anhydride of H	$C\ell O_4$ is:-		
	(A) ClO	(B) <i>ClO</i> ₂	(C) ClO ₃	(D) $C\ell_2O_7$
(3)	Co-ordination numb	er of Pt in $PtC\ell(NO_2)$	$(NH_3)_4$] ²⁻ is:-	
	(A) 2	(B) 4	(C) 1	(D) 6
(4)	Ether shows the phe	nomenon of;-		
	(A) Position isomer	ism (B) Functional gro	oup isomerism (C) M	letamerism (D) Cis-trans isomerism
(5)	Vinyl acetylene con	nbines with $HC\ell$ to form	n:-	
	(A) Polyacetylene	(B) Benzene	(C) Chloroprene	(D) Divinyl acetylene
(6)		as a catalyst in Friedel-C		
	(A) $A\ell C\ell_3$	(B) HNO_3	(C) BeCl ₂	(D) NaCl
(7)	is not a nucle	cophile.		
	(A) H_2O	(B) H_2S	(C) BF_3	(D) NH_3
(8)	According to Lewis	concept; ether behaves		20 AN
320	(A) Acid		Acid as well as a base	(D) Electrophile
(9)		a Carbonyl group is:-	(0) 31 1 1 1 1	(D) 1 21 1 11 - 4
four		(B) sp^2 hybridized	(C) sp hybridized	(D) dsp^2 hybridized
(10)	Acetic acid can be		(C) Ozamalnaja	(D) Esterification
(11)	(A) Distillation The main pollutant	(B) Fermentation t of leather tanneries in the	(C) Ozonolysis	
(11)	(A) Lead	(B) Chromium (VI)		(D) Chromium (III)
(12)		en a fat and NaOH is:-	(-)	
()	(A) Esterification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
(13)	Phosphorus helps i	in the growth of:-		
	(A) Root	(B) Leave	(C) Stem	(D) Seed
(14)	is secondar	y pollutant.		
	(A) Carbonic acid	(B) CO ₂	(C) SO ₂	(D) <i>CO</i>
(15)	Keeping in view th	ne size of atoms, the corn		
	(A) $Mg > Sr$	(B) $Ba > Mg$	(C) $Lu > Ce$	(D) $C\ell > I$
(16)	The mineral CaSO	$_4.2H_2O$ has general name	e of:-	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom Salt
	elemente ic	not present abundantly in	n earth's crust.	
(17)	cicincitis is	(B) Aluminium	(C) Sodium	(D) Oxygen

		2018 (A) Roll No:						
		INTERMEDIATE PART-II (12th CLASS)						
CI	HEMI	STRY PAPER-II (NEW SCHEME) GROUP-II						
		LLOWED: 2.40 Hours <u>SUBJECTIVE</u> MAXIMUM M	ARKS: 6					
N		Write same question number and its part number on answer book,						
		as given in the question paper. SECTION-I						
2.			× 2 = 16					
	(i)	Why are the ionic radius of negative ions larger than the size of their parent atoms?						
	(ii)	Zinc oxide is amphoteric in nature. Explain with reactions.						
	(iii)	How is Gypsum converted into plaster of Paris? Write chemical equation.						
	(iv) (v)	Write the formula of (a) Bauxite (b) Cryolite Write the Chemistry of Borax Bead test with an example.						
	(vi)	Why are Silicones preferred to petroleum products as lubricant?						
	(vii)	Write two reactions of NO with (a) $FeSO_4$ (b) H_2S						
	(viii)	Write two reactions of P_2O_5 as dehydrating agent.						
	(ix)	Write two similarities of Oxygen and Sulphur.						
	(x)	What is the role of Chlorofluorocarbons in destroying ozone? Write reactions.						
	(xi)	How is the quality of water determined by chemical Oxygen demand?						
3.	(xii)	Define Heterocyclic compounds with two examples.	× 2 = 16					
٥.	(i)							
	(ii)	Give the uses of $KMnO_4$.	3					
	(iii)	What happens when ter-butyl alcohol is treated with conc. H_2SO_4 ?						
	(iv)	How will you distinguish acetylene and ethene?						
	(v)	How will you prepare the following compound from Benzene in two steps?						
		m – chloronitro benzene						
	(vi)	Give the reaction of Ethylene epoxide with ethyl-magnesium bromide.						
	(vii) (viii)	Give the four uses of Ethanol. How phenol is prepared from Chlorobenzene (Dow's Method)?						
	(ix)	What does happen when Alkaline Sodium nitroprusside solution is added to Ketones?						
	(x)	How does an Aldehyde react with (a) hydroxylamine (b) Hydrazine						
	(xi)	Write down the four uses of Acetic Acid.						
4.	(xii)	What are essential and non-essential Amino Acids? Attempt any six parts. 6	× 2 = 12					
			~ 2 - 12					
	(i)	Write reactions of H_2SO_4 with $NaC\ell_{(S)}$ and $NaBr_{(s)}$.						
	(ii)	Justify that $C\ell_2O_7$ is the anhydride of perchloric acid.						
	(iii)	Write important uses of Radon.						
	(iv) (v)	Write note on Polyester resins. What is the effect of pH on Enzymes?						
	(vi)	Point out the difference between Glucose and Fructose?						
	(vii)	Write importance of Nitrogen for growth of plant.						
	(viii)	Define Lignin, write its effect on paper.						
	(ix)	Write names of two woody and two non-woody raw materials used for manufacturing	of paper.					
	~	SECTION-II	a in the					
			\times 3 = 24					
		hat are Hydrides? Give classification of Hydrides with Periodic Trend. escribe with diagram the manufacture of Sodium by Down's cell.	4					
		ive two methods for the preparation of $K_2Cr_2O_7$, also give its two uses.	4					
	84	hat is Acid Rain? How does it affect our environment?	4					
		efine Hybridization and explain the structure of Ethyne according to Hybridization conce						
	(b) W	hat are Friedel-Crafts' reactions? Explain by giving two examples with mechanism.	4					
8.		ow will you prepare following from Ethyne (Equations only):-	4					
		Acetaldehyde (ii) Benzene (iii) Ethane (iv) Oxalic acid rite two methods for the preparation of Phenol.	4					
			-					
9.		That is β – Elimination? Explain briefly the two possible mechanisms	4					
		β – Elimination reactions. That type of Aldehydes give Cannizzaro's reaction? Give its Mechanism.	4					
	VY VY	and the of the only dos give Calification of todellolly. Olive its information,	7					

Pap	er Code	2	018 (A)	Roll No.			
Nun	nber: 448		TE PART-II (12 th (
		INTERNIEDIA					
		APER-II (NEW SC	And the second second second second	-II			
Note think Cutti quest	c is correct, fill the ing or filling two tions as given in o BUBBLES are no	choices for each objection at bubble in front of that or more bubbles will res	t question number. Us ult in zero mark in tha aper and leave others l	MAXIMUM MARKS: 17 B, C and D. The choice which you se marker or pen to fill the bubbles. It question. Attempt as many blank. No credit will be awarded in f OBJECTIVE PAPER.			
(1)	The ionization (A) Lower than	energy of Calcium is:- that of Barium that of Beryllium	(B) Lower than that (D) Lower than that				
(2)	does not l	belong to Alkaline Earth M					
	(A) Rn	(B) <i>Ba</i>	(C) Ra	(D) Be			
(3)	The chief ore of		3.24, 2.00	(2) 20			
		(B) $A\ell_2O_3.H_2O$	(C) $A\ell_2O_3$. $2H_2O$	(D) $A\ell_2O_3$			
(4)	The brown gas f	ormed, when metal reduce	es HNO ₃ to:-				
	(A) N_2O_3	(B) N_2O_5	(C) NO	(D) <i>NO</i> ₂			
(5)	is the stro	ongest acid in water.					
	(A) <i>HCℓO</i>	(B) $HC\ell O_2$	(C) HClO ₃	(D) <i>HClO</i> ₄			
(6)	The strength of binding energy of transition elements depends upon:- (A) Number of neutrons (B) Number of protons (C) Number of unpaired electrons (D) Number of electron pairs						
(7)	Linear shape is a	associated with which set	of hybrid orbitals:-				
	(A) dsp^2	(B) sp ³		(D) <i>sp</i>			
(8)	Vinyl acetylene	Vinyl acetylene combines with $HC\ell$ to form:-					
	(A) Polyacetyler	ne (B) Benzene	(C) Chloroprene	(D) Divinylacetylene			
(9)	compou	and is the most reactive on	e.	**			
	(A) Ethene	(B) Benzene	(C) Ethane	(D) Ethyne			
(10)	is not a	nucleophile.					
(11)		(B) H_2O converted into Ethanoic A	(C) BF ₃	(D) <i>NH</i> ₃			
	(A) Hydration		(C) Fermentation	(D) Oxidation			
(12)		highest boiling point.	(e) remonation	(b) Oxidation			
	(A) 2 – Hexanon	ne (B) Propanal	(C) Ethanal	(D) Methanal			
(13)	reagen	t is used to reduce a Carbo	oxylic group to an alcoh	ol.			
	(A) NaBH ₄	(B) $\frac{H_2}{pt}$	(C) LiAlH ₄	(D) H_2/N_i			
(14)		is not present in all protein	ins.				
30.00	(A) Sulphur	(B) Hydrogen	(C) Carbon	(D) Nitrogen			
(15)	Phosphorus help						
	(A) Leave	(B) Root	(C) Seed	(D) Stem			
(16)		ant of leather tanneries in					
	(A) Chromium (III) (B) Lead	(C) Chromium(VI)	(D) Copper			

(17) Peroxyacetylnitrate(PAN) is an irritantant to human beings and it affects:-(A) Eyes (B) Ears (C) Stomach (D) Nose

_		
	1. 1	n
4	Code	Paper
	Coae	Paper

2018 (A) Roll No._____ INTERMEDIATE PART-II (12th CLASS)

CH	EMISTRY PAP	ER-II (NEW SC	HEME) GROUP-I	I
TIM	E ALLOWED: 20	Minutes	OBJECTIVE	MAXIMUM MARKS: 17
think Cutt ques	c is correct, fill that b ing or filling two or r tions as given in obje BUBBLES are not fi	oubble in front of that nore bubbles will resu ctive type question pa	e type question as A, B, question number. Use a alt in zero mark in that q	C and D. The choice which you marker or pen to fill the bubbles. suestion. Attempt as many ank. No credit will be awarded in
(1)	element is	not present in all protei	ns.	
	(A) Sulphur	(B) Hydrogen	(C) Carbon	(D) Nitrogen
(2)	Phosphorus helps th	ne growth of:-		
	(A) Leave	(B) Root	(C) Seed	(D) Stem
(3)	The main pollutant	of leather tanneries in t	he waste water is due to the	he salt of:-
	(A) Chromium (III)	(B) Lead	(C) Chromium(VI)	(D) Copper
(4)	Peroxyacetylnitrate(PAN) is an irritantant to	o human beings and it affe	ects:-
	(A) Eyes	(B) Ears	(C) Stomach	(D) Nose
(5)	The ionization ener (A) Lower than that (C) Higher than that	of Barium	(B) Lower than that of (D) Lower than that of	
(6)	does not belo	ong to Alkaline Earth M	Ietal.	
	(A) Rn	(B) <i>Ba</i>	(C) <i>Ra</i>	(D) Be
(7)	The chief ore of Alu	ıminium is:-		
	(A) $Na_3A\ell F_6$	(B) $A\ell_2O_3.H_2O$	(C) $A\ell_2O_3$. $2H_2O$	(D) $A\ell_2O_3$
(8)	The brown gas form	ned, when metal reduce	s HNO ₃ to:-	
	(A) N_2O_3	(B) N_2O_5	(C) NO	(D) NO ₂
(9)	is the stronge	st acid in water.		
	(A) HClO	(B) $HC\ell O_2$	(C) $HC\ell O_3$	(D) $HC\ell O_4$
(10)	(A) Number of neut	rons	n elements depends upon (B) Number of protons (D) Number of electron	
(11)	Linear shape is asso	ociated with which set o	of hybrid orbitals:-	
	(A) dsp^2	(B) sp^3	(C) sp ²	(D) <i>sp</i>
(12)	Vinyl acetylene con	mbines with HCl to for	rm:-	
	(A) Polyacetylene	(B) Benzene	(C) Chloroprene	(D) Divinylacetylene
(13)	compound	is the most reactive one).	And the state of t
	(A) Ethene	(B) Benzene	(C) Ethane	(D) Ethyne
(14)	is not a nuc	leophile.		*
	(A) H_2S	(B) H ₂ O	(C) BF ₃	(D) <i>NH</i> ₃
(15)		erted into Ethanoic Aci		(2)3
	(A) Hydration	(B) Hydrogenation	(C) Fermentation	(D) Oxidation
(16)	have the high	nest boiling point.		
	(A) 2 – Hexanone	(B) Propanal	(C) Ethanal	(D) Methanal
(17)	reagent is	used to reduce a Carbo	xylic group to an alcohol.	
	(A) NaBH ₄	(B) $\frac{H_2}{pt}$	(C) $LiA\ell H_4$	(D) $\frac{H_2}{N_i}$

Paper	Code
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2018 (A)

Roll No.

Number:

INTERMEDIATE PART-II (12th CLASS)

CHEMISTRY PAPER-II (NEW SCHEME) GROUP-II

TIN	ME ALLOWED: 20	Minutes	OBJECTIVE	MAXIMUM MARKS: 17
Cut	ting or filling two or restions as given in obje BUBBLES are not fi	nore bubbles will rest ctive type question na	ve type question as A, B, C and t question number. Use mark	nd D. The choice which you ker or pen to fill the bubbles. tion. Attempt as many
(1)		ciated with which set	of hybrid orbitals:-	
		(B) sp^3	(C) sp^2	(D) <i>sp</i>
(2)	Vinyl acetylene con	nbines with $HC\ell$ to fo	2.11.13	(-) ·P
	(A) Polyacetylene	(B) Benzene		(D) Divinylacetylene
(3)	compound	is the most reactive on		(b) Divinylacetylene
	(A) Ethene		(C) Ethane	(D) Ethyne
(4)	is not a nucl			(D) Earlie
	(A) H_2S	(B) H ₂ O	(C) BF	(D) NH
(5)	Ethanol can be conv	verted into Ethanoic A	cid by:-	(D) <i>NH</i> ₃
	(A) Hydration	(B) Hydrogenation	(C) Fermentation	(D) Oxidation
(6)	have the high			. , ,
	(A) 2 – Hexanone	(B) Propanal	(C) Ethanal	(D) Methanal
(7)	reagent is u	used to reduce a Carbon	xylic group to an alcohol.	V. Octobalana
	(A) NaBH ₄	(B) $\frac{H_2}{nt}$	(C) LiAlH ₄	(D) H_2/N_i
(8)		ot present in all protein		$/N_i$
	Table Sections	(B) Hydrogen		(D) Nitrogen
(9)	Phosphorus helps the	growth of:-	3 1.6 1. 20.303	(=) 1
	(A) Leave	(B) Root	(C) Seed	(D) Stem
(10)	The main pollutant of	of leather tanneries in t	he waste water is due to the sa	
	(A) Chromium (III)	AMA	(C) Chromium(VI)	(D) Copper
(11)	Peroxyacetylnitrate(I	PAN) is an irritantant t	o human beings and it affects:	
	(A) Eyes	(B) Ears	(C) Stomach	(D) Nose
(12)	The ionization energ (A) Lower than that (C) Higher than that	of Barium	(B) Lower than that of Magn (D) Lower than that of Stron	esium tium
(13)	does not belon	g to Alkaline Earth M		
	(A) Rn	(B) Ba	(C) Ra	(D) <i>Be</i>
(14)	The chief ore of Alu	minium is:-		X 7 2 3
	(A) $Na_3A\ell F_6$	(B) $A\ell_2O_3.H_2O$	(C) $A\ell_2O_3$. $2H_2O$	(D) $A\ell_2O_3$
(15)	The brown gas forme	ed, when metal reduces	s HNO ₃ to:-	
	(A) N_2O_3	(B) N_2O_5	(C) NO	(D) NO ₂
16)	is the stronges	et acid in water.		1,000
	(A) HClO	(B) <i>HCℓO</i> ₂	(C) HClO ₃	(D) HClO ₄
17)	The strength of bindi (A) Number of neutro (C) Number of unpair	ons	elements depends upon:- (B) Number of protons (D) Number of electron pairs	

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2018 (A) Roll No._

Number:

INTERMEDIATE PART-II (12th CLASS)

CHEMISTRY PAPER-II (NEW SCHEME) GROUP-II

TIM	E ALLOWED: 20	Minutes	OBJECTIVE	MAXIMUM MARKS: 17
Note think Cutti quest	E You have four choose is correct, fill that being or filling two or notions as given in object BUBBLES are not fill	oices for each objective ubble in front of that more bubbles will resurtive type question pa	e type question as A, B, C question number. Use m It in zero mark in that qu	and D. The choice which you tarker or pen to fill the bubbles. testion. Attempt as many ak. No credit will be awarded in
(1)	The brown gas form	ed, when metal reduce	s HNO ₃ to:-	
	(A) N_2O_3	(B) N_2O_5	(C) NO	(D) NO ₂
(2)	is the stronge	st acid in water.		
	(A) HClO	(B) $HC\ell O_2$	(C) <i>HCℓO</i> ₃	(D) <i>HClO</i> ₄
(3)	(A) Number of neut	rons	(B) Number of protons (D) Number of electron	
(4)	Linear shape is asso	ciated with which set o	f hybrid orbitals:-	
	(A) dsp^2	(B) sp ³	(C) sp^2	(D) <i>sp</i>
(5)	Vinyl acetylene com	nbines with HCl to for	m:-	
	(A) Polyacetylene	(B) Benzene	(C) Chloroprene	(D) Divinylacetylene
(6)	compound	is the most reactive one	÷.	
	(A) Ethene	(B) Benzene	(C) Ethane	(D) Ethyne
(7)	is not a nucle	eophile.		
(8)		(B) H_2O erted into Ethanoic Ac	(C) BF_3 id by:-	(D) <i>NH</i> ₃
	(A) Hydration	(B) Hydrogenation	(C) Fermentation	(D) Oxidation
(9)	have the high			4.4 37323800
	(A) 2 – Hexanone	(B) Propanal	(C) Ethanal	(D) Methanal
(10)	reagent is	used to reduce a Carbo	xylic group to an alcohol.	
/1.1	(A) NaBH ₄	(B) $\frac{H_2}{pt}$	(C) LiAlH ₄	(D) $\frac{H_2}{N_i}$
(11)		not present in all protein		
1672	(A) Sulphur	(B) Hydrogen	(C) Carbon	(D) Nitrogen
(12)	Phosphorus helps the	A STATE OF THE STA		
	(A) Leave	(B) Root	(C) Seed	(D) Stem
(13)			he waste water is due to th	e salt of:-
	(A) Chromium (III)		(C) Chromium(VI)	(D) Copper
(14)	PeroxyacetyInitrate(PAN) is an irritantant t	o human beings and it affe	cts:-
	(A) Eyes	(B) Ears	(C) Stomach	(D) Nose
(15)	The ionization energy (A) Lower than that (C) Higher than that	of Barium	(B) Lower than that of M (D) Lower than that of S	
(16)	does not below	ng to Alkaline Earth M	etal.	
	(A) Rn	(B) <i>Ba</i>	(C) Ra	(D) Be
(17)	The chief ore of Alu	minium is:-	200	
	(A) $Na_3A\ell F_6$	(B) $A\ell_2O_3.H_2O$	(C) $A\ell_2O_3$, $2H_2O$	(D) $A\ell_2O_3$

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN OBJECTIVE KEY FOR INTERMEDIATE ANNUAL/

Name of Subject:_	Chemistry	Session: 2016-18
Group 1st		Group: 2nd

Q.	Paper Code	Paper Code	Paper Code	Paper Code
Nos	4481	4485	4483	4487
1	B	C	B	C
2	A	6	b	D
3	C	A	Ď	D
4	C	C	A	C
5	D	B	B	C
6	D	B	A	A
7	6	B	C	c
8	C	B	C	B
9	A	D	D	ć
10	C	D	D	В
11	B	A	C	В
12	B	B	6	D
13	B	A	A	D
14	B	4	6	A
15	D	6	B	B
16	D	D	B	A
17	A	D	B	C
18				
19				
20				

Q.	Paper Code	Paper Code	Paper Code	Paper Code
Nos	4482	4484	4486	4488
1	B	A	Ď	D
2	A	6	(D
3	0	C	A	C
4	D	A	C	D
5	D	B	D	C
6	C	A	A	A
7	D	C	C	C
8	C	D	A	D
9	A	D	C	A
10	6	C	C	C
11	D	D	A	A
12	A	C	B	C
13	C	A	A	6
14	A	C .	C	A
15	C	D	D	13
16	C	Á	D	A
17	A	Ċ	2	(.
13			3 7	
19				
20				

مرشقک ابت تھے موالد برجہ امارکنگ Key (MCQs) کو بنظر عمین چیک کرایا ہے یہ پرچہ اکارکنگ Set کی مضمون کے عین مطابق Set کیا گیا ہے۔ اس سوالیہ پرچہ انشائیہ ومعروضی (Subjective & Objective) کو بنظر عمین چیک کرایا ہے یہ پرچہ انشائیہ ومعروضی (Subjective & Objective) کو بنظر عمین چیک کرایا ہے۔ یہ پرچہ اس مطابقت رکھتے ہیں۔ نیز اس پرچہ یں کی قتم کی کوئی غلطی نہ ہے۔ ہم نے سوالیہ پرچہ کا اردو اور انگریزی Version بھی چیک کرایا ہے۔ یہ مضابق مطابقت رکھتے ہیں۔ نیز اس پرچہ کی معروضی (Key (MCQs) کی بابت تقدیق کی جاتی ہی ہی کہ اس میں بھی کسی قتم کی کوئی غلطی نہ ہے۔ مزید ہی کہ ہم نے والی دفتر کی جانب سے تیار کردہ ہدایات وصول کر کے ان کا بغور مطالعہ کرایا ہے اور ان کی ردشنی میں ان کل ہدایات ارکنگ عیم ارکنگ ہدایات ارکنگ عیم اور ان کی ردشنی میں ان کل ہوا ہے۔ نیز سب ایگزامنز زکیلئے تفصیلی مارکنگ ہدایات امارکنگ عیم اور ان کی ردشنی میں ان کل ہدایات امارکنگ عیم اور ان کی ردشنی میں ان کا بغور مطالعہ کرایا ہے اور ان کی ردشنی میں ان کل بیز سب ایگزامنز زکیلئے تفصیلی مارکنگ ہدایات امارکنگ عیم اور ان کی درشنی میں Key بیز سب ایگزامنز زکیلئے تفصیلی مارکنگ ہدایات امارکنگ میں عمین کا میں میں میں کا میں میں کا میں کیا گئی ہدایات امارکنگ میں کا کا کیور مطابقہ کرایا ہے اور ان کی ردشنی میں Key بنائی ہے۔ نیز سب ایگزامنز زکیلئے تفصیلی مارکنگ ہدایات امارکنگ میں کیا کہ کی کی کی کی کوئی ہوں۔

Prepared & Checked By:

Dated:___

S.#	Name	Designation	Institution	Mobile No	Signature
1	Mirza Salem Bary	Acto Profess	govtoH. ? college rup	6.39724	M
2	Muhampial Nacem Arshe	Asso prof	Gout . Emerson Gother	0334-6030	5
3	Abdul Raut	SSS clum.	GHS/S. Same Gata	6354713	AV.
4	Dr. mulgmmad	INCA - 1077AU 1	allee multan	03396027	Rum
5	Rangar		2	342	

Re-Checked By - اور ہدایات کے والدے کمل طور پرتلی کر ل ہے۔ کی خم کی کوئی غطی نہے۔

1 Mian · M · Nawaz Professor GEC · Multon · 03 00 6382621



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2018 (A) Roll No: ____

INTERMEDIATE PART-II (12th CLASS)

CHEMISTRY PAPER-II (OLD SCHEME) 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) What are Periods and Groups of the Periodic table?
- (ii) Why the second value of electron affinity of an element is usually shown with a positive sign?
- (iii) Write reactions which shows the amphoteric nature of BeO.
- (iv) How Gypsum is converted into Plaster of Paris?
- (v) How Boric Acid is prepared from borax, mention the chemical equation?
- (vi) What is Asbestos? Also write its uses.
- (vii) Write reaction of HNO_3 with Mg and Mn.
- (viii) Describe Ring test for the confirmation of the presence of Nitrate ion in solution.
- (ix) Write the reaction which shows the preparation of bleaching Powder.
- (x) Name the gas which is used for earthquake prediction.
- (xi) What are non-typical and typical transition elements?
- (xii) What is Sacrificial corrosion?

3. Attempt any Eight parts.

 $8 \times 2 = 16$

- (i) Write a note on Thermal cracking and Catalytic cracking of Petroleum.
- (ii) What do you know about Alicyclic and Aromatic compounds?
- (iii) What do you know about reactivity of Alkanes?
- (iv) Write a note on Ozonolysis and Polymerization of Alkenes.
- (v) What happens when $C\ell_2$ is passed through Benzene in sunlight?
- (vi) Give reactions of Benzene Sulphonic acid with Water and Benzene with SO_3 in presence of H_2SO_4 .
- (vii) How Ethene is converted into 1 Butanol and 1 Chloropropane into Propene?
- (viii) Give reactions of Ethyl Magnesium bromide with CH3CHO and HCHO.
- (ix) How Ethanol is converted into Ethanoic acid?
- (x) Write a note on Sodium Bisulphite test.
- (xi) What are effects of Dumping wastes in sea and rivers?
- (xii) Define Biochemical Oxygen demand (BOD) and Chemical Oxygen Demand (COD).

Attempt any Six parts.

 $6 \times 2 = 12$

- (i) Prepare Ether by Williamsons Synthesis.
- (ii) Convert Phenol into Bakelite.
- (iii) Write four uses of acetic Acid.
- (iv) Write a reaction of Amino acid with Alcohol.
- (v) What is importance of Protein?
- (vi) What is Iodine number? Explain briefly.

- (vii) Write main difference between DNA and RNA.
- (viii) What is setting of cement? Explain briefly.
- (ix) Write name of woody and non-woody raw materials for pulp making.

SECTION-II

NOTE	E: - Attempt any three questions.	$8\times 3=24$
5.(a) (b)	What are Oxides? How they are classified? Explain. Explain commercial preparation of Sodium Hydroxide by Nelson cell.	4
6.(a)	What is Corrosion? Describe different ways for prevention from corrosion with special reference to cathode and anode coating.	4
(b)	What is Acid Rain? How does it affect our Environment?	4
7.(a) (b)	Give any four important features of Organic Compounds. How will you convert ethyl bromide into:- (i) n-Butane (ii) Ethyl alcohol (iii) Ethane (iv) Ethene	4 4
8.(a)	Give mechanism and example of Friediel - crafts Acylation.	4
(b)	How does ethyl alcohol reacts with:-	4
	(i) Na – Metal (ii) $SOC\ell_2$ (iii) Conc. H_2SO_4 at $180^{\circ}C$ (iv) CH_3COOH/H	
9.(a)	How does Ethyne react with:-	- 4
	(i) Alkaline KMnO ₄ (ii) Ammonical Cuprous chloride	
	(iii) 10 % H_2SO_4 in the presence of $HgSO_4$ (iv) Hydrogen	
(b)	Discuss structure and reactivity of Carbonyl compounds.	4
	SECTION-III (PRACTICAL)	
10. At	ttempt any three parts.	
(i)		5
(ii)	Write identification and confirmation of Phenolic group.	5
(iii)) Write complete qualitative analysis of CO_3^{-2} radical in systematic manner.	5
(iv)	Write compete qualitative analysis of Zn^{+2} radical in systematic manner.	5
(v)	Write complete qualitative analysis of K^+ radical in systematic manner.	5

Pap	er Code		110 / 45	B 1137
Nun	nber: 8481		018 (A)	Roll No
CHI	MISTRY DAD		TE PART-II (12 th (
	E ALLOWED: 20	ER-II (OLD SCI Minutes	HEME) GROU OBJECTIVE	MAXIMUM MARKS: 17
think Cutti quest	is correct, fill that hing or filling two or nations as given in objections as given in objections are not fi	oubble in front of that more bubbles will resu ective type question pa	question number. Us lt in zero mark in tha per and leave others l	B, C and D. The choice which you e marker or pen to fill the bubbles. t question. Attempt as many blank. No credit will be awarded in OBJECTIVE PAPER.
1)	oxide is me	ore basic in nature.		
	(A) BeO	(B) MgO	(C) CaO	(D) BaO
(2)	The ore CaSO ₄ .2H	O has the general nan	ie.	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(3)	element for	ms an ion with charge	3+.	1,
	(A) Be	(B) Al	(C) C	(D) Si
4)	The brown gas form	ned when metal reduces	s HNO ₃ is:-	
	(A) N_2O_5	(B) N_2O_2	(C) NO,	(D) <i>NO</i>
5)	The anhydride of H		4	
-2	(A) <i>ClO</i> ₃	(B) ClO ₂	(C) Cl,O,	(D) C/L O
			(C) $C\ell_2U_5$	(D) $C\ell_2O_7$
6)		ransition metal.	(C) P	(D) 0
71	(A) Sc	(B) Y	(C) Ra	(D) <i>Co</i>
7)		zation of Carbon atom		m 1 2
0)	(A) sp^3	(B) <i>sp</i> ²	(C) sp	(D) dsp^2
8)	(A) Chloroform	made by polymerization		(D) (II)
9)	The Benzene Mole	(B) Acetylene	(C) Divinyl acetylene	e (D) Chloroprene
"	(A) Three double bor	onds	(B) Two double bond(D) Delocalized π - 6	
10)	Elimination bimole	cular reactions involve:	4.	
	(A) First order Kine	etics (B) Second order	Kinetics (C) Third or	der Kinetics (D) Zero order Kinetics
(11)		hows hydrogen bonding		
	$^{\prime}$ (A) C_6H_6	(B) $C_2H_5C\ell$	(C) $CH_3 - O - CH_3$	(D) C_2H_5OH
12)	Cannizzaro's reacti	on is not given by:-		
	(A) Formaldehyde	(B) Acetaldehyde	(C) Benzaldehyde	(D) Trimethylacetaldehyde
13)	Acetic acid is manu	ifactured by:-		
	(A) Distillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification
14)	is not a fatty			
	(A) Propanoic acid		(C) Phthalic acid	(D) Butanoic acid
(5)		en fat and NaOH is cal		New of Table 3
161	(A) Esterification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
16)	(A) Boron	nutrient for plants.	(C) Chlorin	(D) N!'
17)	***************************************	(B) Zinc of leather tanneries in the	(C) Chlorine	(D) Nitrogen
21)	(A) Lead	(B) Chromium (VI)		
	(1) Dead	(b) Chromain (v1)		(D) Chromium(III) 2018(A)- 450 (MULTAN)

-	mber: 848	- INTERMEDIA	TE PART-II (12	th CLASS)
	EMISTRY PA E ALLOWED:	APER-II (OLD SC		OUP-I
Note think Cutt ques	e: You have four k is correct, fill the ing or filling two tions as given in o BUBBLES are no	choices for each objective the choices for each objective type question parties.	question number, ult in zero mark in t aper and leave other	MAXIMUM MARKS: 1 A, B, C and D. The choice which you Use marker or pen to fill the bubbles. that question. Attempt as many as blank. No credit will be awarded in of OBJECTIVE PAPER.
(1)	The Benzene M (A) Three doub (C) One double		(B) Two double be(D) Delocalized π	
(2)	Elimination bim	olecular reactions involve		oloudi charge
				order Kinetics (D) Zero order Kinetics
(3)		l shows hydrogen bonding		order remedies (D) Zero order Riffelies
		(B) $C_2H_5C\ell$	(C) $CH_3 - O - CH_3$	H ₂ (D) C ₂ H ₂ OH
(4)		ction is not given by:-	, , , , , , , , , , , , , , , , , , , ,	.3 (2) 02113011
	(A) Formaldehyo		(C) Benzaldehyde	(D) Trimethylacetaldehyde
(5)	Acetic acid is ma		() = silbiliden j de	(b) Timethylacetaldellyde
	(A) Distillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification
(6)	is not a fat	ty acid.		(=) Esternieuron
	(A) Propanoic ac	id (B) Acetic acid	(C) Phthalic acid	(D) Butanoic acid
(7)	The reaction betw	een fat and NaOH is call	ed:-	Cy - survey and
	(A) Esterification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
(8)	is the macr	o-nutrient for plants.		
	(A) Boron	(B) Zinc	(C) Chlorine	(D) Nitrogen
(9)		nt of leather tanneries in the		to the salt of:-
1.00	(A) Lead	(B) Chromium (VI)	(C) Copper	(D) Chromium(III)
10)		nore basic in nature.		
	(A) BeO	(B) MgO	(C) CaO	(D) <i>BaO</i>
11)	The ore $CaSO_4$.2	$2H_2O$ has the general name	ne.	
	(A) Gypsum	(B) Dolomite	(C) Calcite	(D) Epsom salt
12)	element f	orms an ion with charge 3	3+,	
	(A) Be	(B) Al	(C) C	(D) Si
13)	The brown gas fo	rmed when metal reduces	HNO ₃ is:-	
	(A) N_2O_5	(B) N_2O_3	(C) NO ₂	(D) <i>NO</i>
14)	The anhydride of	HCℓO₄ is:-		
	(A) ClO ₃	(B) ClO ₂	(C) Cl ₂ O ₅	(D) $C\ell_2O_7$
(5)	is a typical		(=) ==2=3	
	(A) Sc	(B) Y	(C) <i>Ra</i>	(D) <i>Co</i>
6)	The state of hybrid	lization of Carbon atom in	Y - X	(2) 00
	(A) sp^3	(B) sp^2	(C) <i>sp</i>	(D) dsn^2
7)		s made by polymerization		(D) dsp^2
. /	(A) Chloroform	made by polymenzation	01,-	

	per Code			018 (A)	Roll No.
Nu	mber:	8485)		
СН	EMIST.	RY PAI	PER-II (OLD SC	TE PART-II (12 th HEME) GRO	2000
Not thin Cutt ques	IE ALLO e: You h k is corre ting or fil stions as g BUBBLI	OWED: 20 pave four cle pot, fill that ling two or given in obj	O Minutes noices for each objective bubble in front of that more bubbles will residentive type question no	OBJECTIVE we type question as A, t question number. U ult in zero mark in the	MAXIMUM MARKS: 17 B, C and D. The choice which you se marker or pen to fill the bubbles. at question. Attempt as many blank. No credit will be awarded in GOBJECTIVE PAPER.
(1)	Synthe	tic rubber is	made by polymerization	on of:-	
	(A) Ch	loroform	(B) Acetylene	(C) Divinyl acetyler	ne (D) Chloroprene
(2)	(A) Th	enzene Mol aree double e double bo		(B) Two double bor(D) Delocalized π -	nds
(3)	Elimin	ation bimol	ecular reactions involve		, , , , , , , , , , , , , , , , , , ,
	(A) Fir	st order Kin	etics (B) Second order	Kinetics (C) Third or	rder Kinetics (D) Zero order Kinetics
(4)			hows hydrogen bonding		(=) = see et al. remones
	(A) C_6	H_6	(B) $C_2H_5C\ell$	(C) $CH_3 - O - CH_3$	(D) C_2H_5OH
(5)	Cannizz	aro's reaction	on is not given by:-		
	(A) For	maldehyde	(B) Acetaldehyde	(C) Benzaldehyde	(D) Trimethylacetaldehyde
(6)	Acetic	acid is man	ufactured by:-		, as a second and a
	(A) Dis	tillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification
(7)	i	is not a fatty	acid.		4. 4
	(A) Pro	panoic acid	(B) Acetic acid	(C) Phthalic acid	(D) Butanoic acid
(8)	The reac	tion betwee	n fat and NaOH is call	ed:-	
	(A) Este	erification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
(9)	is	the macro-	nutrient for plants.		
	(A) Bor		(B) Zinc	(C) Chlorine	(D) Nitrogen
(10)	The mai	n pollutant	of leather tanneries in the	ne waste water is due to	the salt of:-
10.4719	(A) Lead		(B) Chromium (VI)	(C) Copper	(D) Chromium(III)
(11)			ore basic in nature.		
	(A) BeC)	(B) MgO	(C) CaO	(D) <i>BaO</i>
(12)	The ore	$CaSO_4.2H$	O has the general nam	e.	
	(A) Gyp	sum	(B) Dolomite	(C) Calcite	(D) Epsom salt
(13)	el	ement form	s an ion with charge 3+		
	(A) Be		(B) Al	(C) C	(D) Si
(14)	The brow	vn gas form	ed when metal reduces	HNO ₃ is:-	45.
	(A) N_2C)5	(B) N_2O_3	(C) NO ₂	(D) <i>NO</i>
(15)		dride of H		2	(2) 1.0
	(A) ClO		(B) ClO ₂	(C) C(O	(D) C1 2
16)				(C) $C\ell_2O_5$	(D) $C\ell_2O_7$
	(A) Sc		ansition metal. (B) Y	(C) D	
17)			335	(C) Ra	(D) <i>Co</i>
		or nyonan	zation of Carbon atom in		Part of 2
	(A) sp ³		(B) sp^2	(C) <i>sp</i> 23(Obj)(☆☆	(D) dsp ² ★)-2018(A)-450 (MULTAN)

No	mber:	8487	2	2018 (A)	Roll No
_			- INTERMEDIA	TE PART-II (12t	h CLASS)
CH	EMIST	TRY PAP	ER-II (OLD SC	CHEME) GRO	OUP-I
		OWED: 20		OBJECTIVE	MAXIMUM MARKS: 17
Cutt	ting or fi stions as BUBBL	illing two or	ouddle in front of tha more bubbles will res ective type question n	t question number. I ult in zero mark in the aner and leave other	Ja, B, C and D. The choice which you Use marker or pen to fill the bubbles. hat question. Attempt as many s blank. No credit will be awarded in of OBJECTIVE PAPER.
(1)	_	is a typical to	ransition metal.		
	(A) S	Sc	(B) Y	(C) Ra	(D) <i>Co</i>
(2)	The st	ate of hybridi	zation of Carbon atom	in Methane:-	
	(A) s	sp^3	(B) sp^2	(C) <i>sp</i>	(D) dsp^2
(3)	Synthe	etic rubber is	made by polymerization		(2) изр
		hloroform	(B) Acetylene	(C) Divinyl acetyle	ene (D) Chloroprene
(4)	The E	Benzene Mole	cule contains:-	(-)	(B) Chloroprene
	(A) T	hree double b ne double bon	onds	(B) Two double bo(D) Delocalized π	
(5)	Elimin	nation bimolec	cular reactions involve		
	(A) Fi	rst order Kine	etics (B) Second order	Kinetics (C) Third	order Kinetics (D) Zero order Kinetics
(6)			ows hydrogen bonding		A STATE OF STREET
	$(A) C_{i}$	$_6H_6$	(B) $C_2H_5C\ell$	(C) $CH_3 - O - CH$	(D) C_2H_5OH
(7)	Canniz	zaro's reaction	n is not given by:-		
	(A) Fo	rmaldehyde	(B) Acetaldehyde	(C) Benzaldehyde	(D) Trimethylacetaldehyde
(8)	Acetic	acid is manufa	actured by:-		,
	(A) Di	stillation	(B) Fermentation	(C) Ozonolysis	(D) Esterification
(9)	i	s not a fatty a	cid.		
	(A) Pro	opanoic acid	(B) Acetic acid	(C) Phthalic acid	(D) Butanoic acid
(10)	The rea	action between	n fat and NaOH is cal	led:-	
		terification	(B) Hydrogenolysis	(C) Fermentation	(D) Saponification
(11)		is the macro-	nutrient for plants.		
	(A) Bo		(B) Zinc	(C) Chlorine	(D) Nitrogen
12)			f leather tanneries in the	ne waste water is due t	to the salt of:-
220	(A) Lea		(B) Chromium (VI)	(C) Copper	(D) Chromium(III)
13)			re basic in nature.		
	(A) Be	0	(B) MgO	(C) CaO	(D) BaO
14)	The ore	e $CaSO_4.2H_2$	O has the general nam	ne,	
	(A) Gy	psum	(B) Dolomite	(C) Calcite	(D) Epsom salt
15)	-	element form	ns an ion with charge	3+,	
	(A) Be		(B) Al	(C) C	(D) Si
16)	The bro	own gas forme	ed when metal reduces	HNO ₃ is:-	
	(A) N_2	O_5	(B) N_2O_3	(C) NO ₂	(D) <i>NO</i>
7)		nydride of HC		3000	and the second
		O_3	(B) ClO ₂	(C) Cl ₂ O ₅	(D) C/(O
		-	1-7		(D) $C\ell_2O_7$ (MULTAN)

Paper Code

2018 (A) Roll No: _____

INTERMEDIATE PART-II (12th CLASS)

CHEMISTRY PAPER-II (OLD SCHEME) 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) Alkali metals give Ionic Hydrides. Give brief reason.
- (ii) What are Polymeric Halides?
- (iii) How lime mortar is prepared?
- (iv) How Gypsum is converted to plaster of Paris?
- (v) What is Borax? Give its two uses.
- (vi) What is Talc? Give its uses.
- (vii) What is meant by Fuming Nitric Acid?
- (viii) Give Chemistry of Contact Process.
- (ix) Why HF can not be stored in glass containers?
- (x) What is Available Chlorine?
- (xi) What is Coordination Sphere?
- (xii) What is Mild Steel? Give its uses.

3. Attempt any Eight parts.

 $8 \times 2 = 16$

- (i) Define Functional Group. Give formulas of two functional groups containing Oxygen atoms.
- (ii) What is meant by Reforming of Petroleum?
- (iii) Give Mechanism of Bromination of Ethene.
- (iv) Give two uses of Ethyne.
- (v) What is Wurtz-Fittig reaction? Give an example.
- (vi) Draw structures of Anthracene and Phenanthrene.
- (vii) What is Wurtz Synthesis? Give an example.
- (viii) Why do $S_N 2$ reactions give inverted product? Show by means of chemical equation.
- (ix) Give any two uses of Acetaldehyde.
- (x) Give equation to show Catalytic reduction of Acetone.
- (xi) Give names of components of Environment.
- (xii) What conditions are required for Smog formation?

Attempt any Six parts.

4.

 $6 \times 2 = 12$

- (i) Why Ethanol has higher boiling point than Diethyl ether?
- (ii) Differentiate between Methanol and Ethanol,
- (iii) What is Glacial Acetic Acid?
- (iv) What is Ninhydrin Test?
- (v) Describe composition of a good Portland cement.
- (vi) Differentiate between Micronutrients and Macronutrients.

(vii) Define Saponification number. Give an example. (viii) Differentiate between Oil and Fat. (ix) What are Polyamide Resins? **SECTION-II** NOTE: - Attempt any three questions. $8 \times 3 = 24$ 5.(a) Discuss position of Hydrogen over group IV-A and VII-A. 4 How Sodium is prepared on Commercial scale? 6.(a) Explain Tin Plating and Zinc Coating of Iron. 4 (b) Explain Lithosphere and Biosphere. 4 What is Orbital Hybridization? Explain sp³ hybridization with special 7.(a) reference to CH4 molecule. What is Grignard Reagent? How you can prepare primary, secondary and tertiary alcohol (b) from Grignard reagent? 4 8.(a) Write a note on Stability of Benzene. 4 Write down reactions of Phenol with:-(i) NaOH (iii) Zn (iv) dilute HNO (ii) $CH_3 - C - C\ell$ Explain Hydroxylation and Ozonolysis of Alkene. 4 9.(a) (b) 4 How does Acetaldehyde react with the following reagents:-(iv) I_2/N_{aOH} (i) C_2H_3MgI (ii) HCN (iii) dilute NaOH SECTION-III (PRACTICAL) 10. Attempt any three parts. 5 (i) Write material required, equation and procedure to prepare Aspirin. Write identification and confirmation of Aldehyde group. 5 (ii) Write complete qualitative analysis of S^{-2} radical in Systematic Manner. (iii) 5

Write complete qualitative analysis of Cu^{+2} radical in Systematic Manner.

Write complete qualitative analysis of Ba^{+2} radical in Systematic Manner.

(iv)

(v)

24-2018(A)- 100

5

5

(MULTAN)

-	nber: 8482		018 (A)	Roll No
CIII	EMICEDA DADI	INTERMEDIA	TE PART-II (12 th	
	E ALLOWED: 20	ER-II (OLD SC)		UP-II
			OBJECTIVE	MAXIMUM MARKS: 1 B, C and D. The choice which you
Cutt	k is correct, fill that b ing or filling two or n tions as given in obje BUBBLES are not fil	ubble in front of that nore bubbles will resu ctive type question pa	question number. Us alt in zero mark in that oper and leave others	se marker or pen to fill the bubbles. at question. Attempt as many blank. No credit will be awarded in OBJECTIVE PAPER.
(1)	Keeping in view the	e size of atoms, the cor	rect order is:-	
	(A) $Mg > Sr$	(B) $Ba > Mg$	(C) $Lu > Ce$	(D) $C\ell > I$
(2)	does not belo	ng to Akaline-earth me	etals.	
	(A) B	(B) Ra	(C) Ba	(D) <i>Rn</i>
(3)	metal is used	in the Thermite proces	ss because of its activit	
	(A) Iron	MAY FAR	(C) Aluminium	(D) Zinc
(4)	Out of all the elemen		ighest ionization energ	
	(A) N		(C) Sb	(D) <i>Bi</i>
(5)	Of the following hyd		is the weakest acid in	
	(A) HF	(B) HBr	(C) HI	(D) HCl
(6)	is a non typic	al transition element.	(0) 111	(b) nec
	(A) <i>Cr</i>	(B) <i>Mn</i>	(C) Zn	(D) Fe
(7)		orbitals has planar triar		(D) Te
	$(A) sp^3$	(B) <i>sp</i>	(C) sp^2	/D) 1 2
(8)	Preparation of vegeta		(C) sp	(D) dsp^2
(0)			(C) II 1 1 1 1	
(9)		(B) Hydrogenation		(D) Dehydrogenation
(2)			riedel-Crafts reactions.	
(1.0)	(A) $A\ell C\ell_3$		(C) $BeCl_2$	(D) NaCℓ
(10)	Grignard reagent is (A) The presence of (C) The polarity of ((B) The presence of (D) None of these	Mg atom
(11)	compound sl	nows Hydrogen bondin	ng.	
			(C) $CH_3 - O - CH_3$	(D) C_2H_2OH
(12)		a carbonyl group is:-	,	V / - 23
			(C) sp ³ hybridized	(D) Nana of these
(13)	A carboxylic acid co		(c) sp hybridized	(b) None of these
,,	(A) Hydroxyl group (C) Hydroxyl & Carl	No.	(B) Carboxyl group (D) Carboxyl & Alde	ehydic group
14)	acid is used in	the manufacture of sy	nthetic fibre.	
	(A) Formic acid	(B) Oxalic acid	(C) Carbonic acid	(D) Acetic Acid
15)	Of the following poly	mers is an add	lition polymer.	
	(A) Nylon 6, 6	(B) Polystyrene	(C) Terylene	(D) Epoxy resin
16)	woody raw m	aterial is used for the n	nanufacture of paper po	alp.
	(A) Cotton	(B) Bagasse	(C) Poplar	(D) Rice straw
17)	The pH range of the a	icid rain is:-		
	and the state of t			

Nu	mber: 8484	INTERMEDIA	TE PART-II (12th	Roll No
CH	EMISTRY PAP	ER-II (OLD SC	The Table 1 and 1	OUP-II
	E ALLOWED: 20		OBJECTIVE	MAXIMUM MARKS: 1
Cut	ting or filling two or nations as given in obje BUBBLES are not fi	oubble in front of that nore bubbles will res ctive type question p	t question number. I ult in zero mark in th aper and leave other:	, B, C and D. The choice which you Use marker or pen to fill the bubbles. nat question. Attempt as many s blank. No credit will be awarded in of OBJECTIVE PAPER.
(1)	A carboxylic acid c (A) Hydroxyl group (C) Hydroxyl & Car		(B) Carboxyl group (D) Carboxyl & Al	
(2)		in the manufacture of		denyale group
	(A) Formic acid		(C) Carbonic acid	(D) Acetic Acid
(3)	Of the following pol-	ymers is an ad		(D) Acette Acid
		(B) Polystyrene		(D) Enouge resid
(4)			manufacture of paper	(D) Epoxy resin
**	(A) Cotton	(B) Bagasse	(C) Poplar	(D) Rice straw
(5)	The pH range of the		(C) Topiai	(D) Rice straw
	Service Service	(B) 6.5-6	(C) 6 – 5.6	(D) Less than 5
(6)		size of atoms, the con	The Mark State of the State of	(D) Less than 5
		(B) $Ba > Mg$		(D) $C\ell > I$
(7)		ng to Akaline-earth me		(D) $C \in \mathcal{F} I$
	(A) B	(B) <i>Ra</i>		(D) n-
(8)			ss because of its activi	(D) Rn
	4.4.3.4	(B) Copper		
(9)			ighest ionization energ	(D) Zinc
	(A) N	(B) <i>P</i>	(C) Sb	(D) Bi
(10)	Of the following hyd	3. 6	is the weakest acid in	
	(A) HF	(B) <i>HBr</i>		(D) <i>HCℓ</i>
(11)	is a non typic	al transition element.	(0) 111	(b) nee
	(A) Cr		(C) Zn	(D) Fe
(12)		rbitals has planar triar		(D) Te
		(B) <i>sp</i>		(D) dsp^2
13)	Preparation of vegeta		(v) sp	(D) usp
	(A) Halogenation		(C) Hydroxylation	(D) Dahudaaaa .
14)			riedel-Crafts reactions.	(D) Dehydrogenation
		(B) HNO ₃		
15)	Grignard reagent is re (A) The presence of H	eactive due to:-	(B) The presence of	(D) NaCl Mg atom
(16)		ows Hydrogen bondin		
			(C) $CH_3 - O - CH_3$	(D) C H OH
1.7		carbonyl group is:-	(C) CH_3 $-C-CH_3$	$(D) C_2 \Pi_5 OH$
17)				
17)	(A) sp hybridized		(C) sp ³ hybridized	2.6.

11	er Code		l A		
Nu	mber:	8486		018 (A)	Roll No
CH	FMIST	DV DADI	INTERMEDIA		
TIM	E ALL	OWED: 20	ER-II (OLD SCI Minutes	HEME) GR OBJECTIVE	OUP-II MAXIMUM MARKS: 1
Not think Cutt ques	e: You h k is corre ing or fil tions as g BUBBLI	nave four cho ect, fill that b ling two or n given in objec	cices for each objective ubble in front of that nore bubbles will resu	e type question as a question number. It in zero mark in t per and leave other	A, B, C and D. The choice which you Use marker or pen to fill the bubbles. that question. Attempt as many rs blank. No credit will be awarded in t of OBJECTIVE PAPER.
(1)		set of hybrid	orbitals has planar triar	ngular shape.	
	(A) sp		(B) sp	(C) sp^2	(D) dsp^2
(2)	Prepara	ation of veget	able ghee involves:-		(-)
		logenation		(C) Hydroxylation	n (D) Dehydrogenation
(3)		acid can be u	sed as a catalyst in a Fr	The Transition of the Contraction	
		$\ell C \ell_3$		(C) BeCl,	(D) NaCl
(4)	(A) The	e presence of	eactive due to:- Halogen atom C-Mg bond	(B) The presence (D) None of these	of Mg atom
(5)		compound sh	ows Hydrogen bonding	g,	
	(A) C_2	H_6	(B) $C_2H_5C\ell$	(C) $CH_3 - O - CH$	H_3 (D) C_2H_4OH
6)	The car	rbon atom of	a carbonyl group is:-		
			(B) sp ² hybridized	(C) sp ³ hybridized	(D) None of these
7)	A carbo	oxylic acid co	ontains:-	(P) G 1	
8)			the manufacture of sy		denyale group
		mic acid			(D) Acetic Acid
9)	Of the f	ollowing poly	mers is an add		(D) Heetic Heig
			/mi = .	(C) Terylene	(D) Epoxy resin
10)		woody raw m	aterial is used for the m	nanufacture of paper	
	(A) Cot		and the	(C) Poplar	(D) Rice straw
1)	The pH	range of the a	cid rain is:-		234 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	(A) 7-	6.5	(B) 6.5-6	(C) $6 - 5.6$	(D) Less than 5
2)	Keeping	in view the s	ize of atoms, the correct	et order is:-	
	(A) Mg	s > Sr	(B) $Ba > Mg$	(C) $Lu > Ce$	(D) $C\ell > I$
13)			g to Akaline-earth meta		
	(A) B		(B) Ra	(C) Ba	(D) <i>Rn</i>
4)	n	netal is used i	n the Thermite process	because of its activ	ity.
	(A) Iron		(B) Copper		(D) Zinc
5)	Out of a	ll the elemen	ts of group VA, the hig	hest ionization ener	gy is possessed by:-
	(A) N		(B) P	(C) Sb	(D) Bi
6)			ogen halide,i	s the weakest acid in	n solution.
				(C) HI	(D) <i>HCℓ</i>
7)		a non typical	transition element.		
	(A) Cr		(B) Mn	(C) Zn	(D) Fe

Pa	per Code			
Nu	mber: 8488		2018 (A)	Roll No
CH	IEMISTRY PAP	─ INTERMEDIA PER-II (OLD SC	TE PART-II (12 th HEME) GRO	UP-II
No thin Cut que	ik is correct, fill that ting or filling two or stions as given in object BUBBLES are not f	oices for each objective bubble in front of that more bubbles will restory type question parties.	t question number. Us ult in zero mark in tha aper and leave others	MAXIMUM MARKS: 1 B, C and D. The choice which you se marker or pen to fill the bubbles. at question. Attempt as many blank. No credit will be awarded in at OBJECTIVE PAPER.
(1)	Of the following hy	ydrogen halide,	_ is the weakest acid in	solution.
	(A) HF	(B) HBr	(C) HI	(D) <i>HCℓ</i>
(2)	is a non typi	cal transition element.		
	(A) Cr	(B) <i>Mn</i>	(C) Zn	(D) Fe
(3)	set of hybrid	l orbitals has planar tria	ngular shape.	
	(A) sp^3	(B) sp	(C) sp^2	(D) dsp^2
(4)	Preparation of vege	table ghee involves:-		
	(A) Halogenation	(B) Hydrogenation	(C) Hydroxylation	(D) Dehydrogenation
(5)	acid can be	used as a catalyst in a F	riedel-Crafts reactions.	
	(A) $A\ell C\ell_3$	(B) HNO ₃	(C) BeCl ₂	(D) NaCl
(6)	Grignard reagent is (A) The presence of (C) The polarity of	f Halogen atom	(B) The presence of (D) None of these	Mg atom
(7)	compound sh	nows Hydrogen bondin		
	(A) C_2H_6	(B) $C_2H_5C\ell$	(C) $CH_3 - O - CH_3$	(D) C_2H_*OH
(8)		a carbonyl group is:-		17.3
			f (C) sp ³ hybridized	(D) None of these
(9)	A carboxylic acid co		(c) op hjohansed	(D) Notic of these
	(A) Hydroxyl group)	(B) Carboxyl group (D) Carboxyl & Alde	ehydic group
(10)	acid is used	in the manufacture of s	ynthetic fibre.	
			(C) Carbonic acid	(D) Acetic Acid
(11)		lymers is an ad		
			(C) Terylene	
(12)		naterial is used for the	manufacture of paper pu	ulp.
	(A) Cotton	(B) Bagasse	(C) Poplar	(D) Rice straw
(13)				
		(B) 6.5-6		(D) Less than 5
(14)		size of atoms, the corr		
	(A) $Mg > Sr$	(B) $Ba > Mg$	(C) $Lu > Ce$	(D) $C\ell > I$
(15)	does not below	ng to Akaline-earth me	tals.	
	(A) B	(B) Ra	(C) Ba	(D) <i>Rn</i>
(16)			s because of its activity	6
		(B) Copper		(D) Zinc
(17)	Out of all the element	nts of group VA, the hi	ghest ionization energy	is possessed by:-
	(A) N	(B) P	(C) Sb	(D) Bi
			24(Obi)(2018(A)-100 (MIJI.TAN)

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN OBJECTIVE KEY FOR INTERMEDIATE ANNUAL/SERVICE EXAMINATION, 2018

Name	e of Subject:	Cher	nistry	Paper-TT	Sess	ion:	_(old s	Schen	ne
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Q.	Paper Code	Paper Code	Paper Code	Paper Code
Nos	8481	8483	8485	8487
1	D	D	D	D
2	A	В	D	A
3	A B C	D	В	D
4	C	В	D	D
5	D	в	В	В
6	D	C	В	D
7	A	D	C	В
8	D	D	D D	В
9	D	В	D	C
10	В	D	В	B C D
11	D	A	D	D
12	В	B	A	В
13	В	C	В	D
14	C	D	<i>В</i> С	A
15	D	D	D	A B
16	D	A	D	C
17	В	D	A	D
18				
19				
20				

Q.	Paper Code	Paper Code	Paper Code	Paper Code
Nos	8482	8484	8486	8488
1	В	В	C	
2	D	D	В	A C C B A C
3	c	В С	A	C
4	A	C	0	В
5	А А С С В	D	D B	A
6	C	B	В	C
7	C	D	B	D
8	В	C	D	B
9	A	A	D B	D B
10	C	A	C	D
11	A C D	B D C A A C	D	D B
12	В	C	В	_
13	B	B A C	D	D
14	D	A	C	D B D
15	в	\subset		D
16	D B C	D	A A	C
17	D	В	C	A
18				
19				
20				

مر شیفکیٹ بات کے موالیہ برچہ ادار کنگ کا دو اور انگرین کے است کی موالیہ برچہ ادار کنگ کا استان کا 2018 کا جہ مے خصون کے مسلمون کے مسلمون کے مسلمون کے بین مطابق کا کہ موالیہ کا گیا ہے۔ اس سوالیہ برچہ انشائیہ ومعروضی (Subjective & Objective) کو بنظر عمیق چیک کرلیا ہے یہ پرچہ Syllabus کے عین مطابق کیا گیا ہے۔ اس سوالیہ پرچہ کا اردو اور انگرین Version بھی چیک کرلیا ہے۔ یہ Version آئیں میں مطابقت رکھتے ہیں۔ نیز اس پرچہ کی معروضی (Key (MCQs) کی بابت تقدیق کی جاتی ہے کہ اس میں بھی کی قتم کی کوئی غلطی نہ ہے۔ مزید ہید کہ ہم نے سوالیہ کی جانب سے تیار کردہ ہدایات کی معروضی (Rubrics) کی جانب سے تیار کردہ ہدایات وصول کر کے ان کا بغور مطالعہ کرلیا ہے اور ان کی روثنی میں Key بنائی ہے۔ نیز سب ایگزامیز زکیلئے تفصیلی مارکنگ ہدایات امارکنگ سیم (Rubrics) بھی تیار کر دی گئی ہیں۔

S.#	Name	Designation	Institution	Mobile No	Signature
1	Mian M. Nawaz	Professor	College Multan	0300-638	Air
2	SUALIL UR RAIKON	As. waln	G. c 7 8c Mace	133-6-50	"1/2-
3	M. Taking Shehrad	A.P	Grovt. Emerson College Multon	6070969	77
Re-C	کی تم کی کوئی غلطی نہے۔ hecked By	مکمل طور پرتسلی کر لی ہے۔	ی) معروض "Key" اور ہدایات کے حوالہ ہے		م نے درج بالاسوال
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