FBD-12-1-23
Intermediate Part Second - 136
CHEMISTRY (Objective) GROUP - I
Time: 20 Minutes Marks: 17

Paper Code 8483

Objective

Roll No.:

You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.acf

S.#	- Caronina	A	В	C	D
1	The main water pollutant chromium-VI is discharged by:	Plastic industry	Paper industry	Leather industry	Cement
2	Urea contains:	36% nitrogen	46% naroger		660/
3	Polyamide resins are:	Homopolyme	Copólymér	Terpolymer	Addition
4	Compounds having $-C \equiv N$ group are called:	Nitro compound	Amino acid	Alkane nitriles	Amide
5	During reduction of aldehyde with NaBH ₄ , Hinn act as:	Electrophile	Nucleophile	Acid	Base
6	Which/enzyme is not involved in fermentation of starch?	Diastase	Lymase	Urease	Maltase
7	Carbolic/acid has another name of:	Alcohol	Phenøl	Ether	Carboxylic
8	Which is not a sucreophile?	H ₂ O	H ₂ S	BF ₃	NH ₃
9	The electrophile in aromatic sulphonation is:	H ₂ SO ₄	HSO ₄ ⁻¹	SO ₃	SO ₃ ⁺
10	β-β'-dichloroethyl sulphide is known as:	Mustard gas	Laughing gas	Phosgene gas	Bio gas
11	A double bond consists of:	Two sigma bonds	One sigma and	One sigma and two pi bond	Two pi bond
12	The colour of transition metal complexes is due to:	d-d transition of electrons	Ionization	Loss of s-electron	Gain of s-electron
13	Bleaching powder is prepared by gassing chlorine over:	Calcrum carbonate	Calcium sulphate	Calcium hydroxide	Magnesium hydroxide
4	Catalyst used in contact process is:	Fe ₂ O ₃	V ₂ O ₅	SO ₃	Ag ₂ O
5	The chief ore of aluminum is:	Na ₃ AlF ₆	$A_{2}\Theta_{3} \cdot 2H_{2}\Theta$	$A\ell_2O_3$	$A\ell_2O_3 \cdot H_2O$
6	The mineral CaSO ₄ · 2H ₂ O has the general name:	Gypsum	Dolomite	Calcite	Epsom salt
7	Melting point of halogens	Decrease down the group	Incréase/down the group	Remains same in group	First increase and then down the group

Intermediate Part Second

Roll No. _____

04

,	CHEMISTRY (Subjective) GROUP - I	
	F(3) 19 19 3 Time: 02:40 Hours Marks: 68	
	SECTION – I	16
	2 Write short answers to any EIGHT parts.	16
	TT	
	White the chemical formula of these minerals: (a) bolax (b) Coloniante	
	(iii) What are the common properties of group IVA elements? (any four)	
	(iv) What is Wurtz-fitting reaction?	
	(v) How is glyoxal produced from benzene?	
	(vi) Define aromatic compounds with two examples.	
	(vii) What is condensation polymerization? (viii) How can you differentiate between glucose and fructose?	
	(viii) How can you differentiate between glucose and received	
	(ix) Write any four uses of lipids? (x) What is dissolved oxygen?	
	(xi) What is dissolved oxygen? (xi) How do CO ₂ and SO ₂ cause acid rain?	
	(xii) How do pesticides affect living organism?	
		16
	3. Write short answers to any EIGHT parts.	
	(i) Write the functional group of alkanone and alkanole actu with one example.	
	(ii) What do you know about functional group isomerism? Give one example. (iii) Give structural formula of alkene expected to be formed by dehydrohalogenation of 1-chloropentane.	
	(iii) Give structural formula of alkene expected to be formed by delay a structural formula of alkene expected to be formed by	
	 (iv) Starting from ethene prepare ethyne. (v) How is acetylene converted into chloroprene? 	
	(wi) How does Grignard reagent react with methanal?	
	(wii) Starting from ethyl chloride prepare (a) II-butane (b) cuidno.	
	(wiii) Write the names of woody raw materials of paper mustry.	
	(ix) What are the four essential qualities of a good letunzer:	
_	White reaction taking place in contact tower for the manufacturing surprising across the contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in contact tower for the manufacturing surprising taking place in the contact tower for the manufacturing surprising taking place in the contact tower for the manufacturing surprising taking place in the contact tower for the manufacturing surprising taking place in the contact tower for the manufacturing surprising taking place in the contact tower for the manufacturing surprising taking place in the contact tower for the c	
	(xii) Write the ring test for the confirmation of nitrate ion in solution.	12
	4. Write short answers to any SIX parts.	12
•	(i) What are ligands? Give one example.	
	(ii) Draw the geometry of $PC\ell_5$.	
)	(iii) What is chromyl chloride test?	
•	(iv) Define fermentation. Give one example.	
1	(v) What is Lucas Test?	
0	(vi) Why phenol is acidic but alcohol is not?	
((vii) Give mechanism of addition of NH ₃ with acetone.	
	(viii) What is indeform test? Give its use.	
3	(ix) What are amino acids? Give their general formula.	7
,	SECTION - II Attempt any THREE questions. Each question carries 08 marks.]
:	it as flydrogen with group I-A elements.	04
1	(b) Write a detailed note on the commercial preparation of sodium by Down's cell.	04
	(b) Write a detailed note on the commercial propagation	04
	6. (a) Write eight applications of noble gases.	04
9	(b) Describe the process of digestion in paper industry.	04
*	- () The state of organic compounds.	04
í	(b) Explain the structure of benzene on the basis of molecular orbital accumulation	02,02
1	1' 1' Pronyine into acetone	01,03
}	days are all all holides? How alkyl halides are prepared from alcohol by three different redections.	
	9. (a) How does acetaldehyde react with the following reagents?	1,01,01
1		
	(i) C ₂ H ₅ MgI (ii) HCN (iii) NaHSO ₃ (iv) dil NaOH	04