Serial No. of	Answer Book Chemistry Part-II Chemistry Part-II	Roll Number
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	Chemistry Part-II	·
	SECTION "A"	
	Time: 20 Min Mar	ks: 18
	his sheet for this section. No marks will be awarded for cutting, e	
	he correct answer from the given choices i.e. (a, b, c, d) and insert int	to the relevant bo
	Helium is present in group	
	(a) I (b). II (c). VIII (d). VII	
(ii)	Down's cell electrolysis is used for extraction of	
	(a). Na (b) Mg (c). Li (d) Ca	
(iii).	Borax is an ore of	
	(a).Al (b). B (c). C (d). None of these	
	AIF ₃ compound is	
	(a) Covalent (b).Partly ionic (c).lonic (d). None of these	
	Na+ is isoelectronic with	
	(a). Cl (b). F (c). K ⁺ (d). Mg ⁺²	
(vi).	Thermite process is	
/ W	(a). Exothermic (b). Endothermic (c). Reversible (d). None of these	
(vii).	Formula of laughing gas is	
	(a) NO (b) NO ₂ (c) N ₂ O (d) N ₂ O ₃	
(viii).	Bleaching powder has a smell of	
0.0	(a). Water (b). Fluorine (c). Bromine (d). Chlorine.	
(ix).	KMno₄ is an	
(x).	(a) Oil (b) Acid (c) Oxidizing agent (d) Ester	
	-ly <mark>brd</mark> ization of carbon in Ethyne is(a). Sp (b) Sp ² (c) Sp ³ (d) Sp ³ cl ²	
` '	Which one is vicinal halide? CH_2 — CH_2	
	(a) CH_3CI (b) $\begin{vmatrix} CH_2 - CH_2 \\ CI \end{vmatrix}$ (c) $CH_3 - CH_2 - CI$ (d) $C CI_4$	
(xii).	Meta directing group is	
	(a) OH (b) NH_2 (c) – OR (d) – CHO	
	The number of tertiary carbon atoms in tertiary butyl alcohol is	
	(a) 4 (b) 3 (c) 1 (d) 2	
	Ethylene undergoes	
	(a) Electrophilic addition (b) Nucleophilic addition (c) Elimination reaction (d) None	of these
	Carboxylic acid contains	
` '	(a) Hydroxyl & carboxyl group. (b) Hydroxyl group. (c) Carboxyl group	
	d) Carboxyl & aldehydic group	
(xvi).	mportant reactions of benzene are	
	(a) Nucleophilic substitution. (b) Electrophilic substitution. (c) Electrophilic addition	ı <u> </u>
,	(d) None of these.	r
	n the second substituent occupies	
	(a) Meta position (b) Ortho position (c) Para position (d) O/P position	
-	Reaction of Alcohol and Sodium produces	
	(a) Alkoxide (b) Aldehyde (c) Ethene (d) Ethane	

Chemistry Part-II

Time: Allowed: 2.40h Max. Marks: 67

SECTION "B"

Marks: 40

Q2. Attempt any TEN questions. Each question carries equal marks.

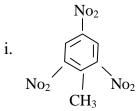
- (i) How does Hydrogen differs from alkali metals?
- (ii) Why alkaline earth metals are hard compared to alkali metals?
- What is Aqua Regia? How it dissolves noble metals? (iii)
- How does modern periodic law differs from Mendleev's law? (iv)
- Explain the chemical properties of Al? Give reactions. (v)
- What are p-type and n-type semiconductors? (vi)
- Explain the anomalous behaviour of Nitrogen. (vii)
- What are Chelates? Give examples. (viii)
- How Acetylene is prepared on commercial scale? (ix)
- Discuss the mechanism of the chlorination of Benzene. (x)
- Explain the dehydrogenation of alcohols. (xi)
- Why phenol shows acidic behavior? (xii)
- What are the uses of Formaldehydes? (xiii)

SECTION "C"

Marks: 27

Note: Attempt any THREE questions. Each question carries equal marks.

- Q3.(a) How acetic acid is prepared?
 - (b) Write a detail note on Enzymes.
- Q4.(a) Explain the preparation of bleaching powder by Hasenclever method.
 - (b) Write the chemical properties of bleaching powder.
- A5.(a) Explain the manufacturing of steel by Bessemer process.
 - (b) What is corrosion? Elaborate.
- Write down the structural formulae of the following: Q6.(a)
 - iii. Toluene i. Acetaldehyde ii. Ethyl acetate
 - iv. Methyl cyclohexane v. cyclohexadiene
 - (b) Give IUPAC names of the following:



iv.
$$Cl - CH_2 - CH_2 - OH$$