	Section For Section Consequence of Section Section Consequence Section Consequenc	
ties	nswer any four :	20
	(a) Explain the term Effective Atomic Number with suitable examples.	
, i	(b) How do you distinguish between phenol and alcohol	
ited 12	(c) Explain Wagner-Meerwin rearrangement	
nes	(d) Give two methods for the preparation of phthalic acid	n.
omy	(e) Write IUPAC names of the following co-ordination compounds	
tion	(i) K <sub>3</sub> [ A I ( C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] (ii) [ Cr cl <sub>3</sub> (NH <sub>3</sub> ) <sub>3</sub> ] (f) Write chemical formula of the following compounds.	
fect	(i) Aluminium potassium sulphate-12-water	
t as	(ii) Pentamine chloro chromium (III) bromide.	
1st,	in the second se	
e for	) What are lanthanides and actinides? Explain their properties with reference to	10
ively.	(i) Electronic configuration (ii) Colour and spectra.	
area		5
arou jo	) Write note on Wer-ners co-ordination theory.	5
	\ \W\\-1:\ 0505.0\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	
ndard <b>b</b>	현	10
		5 5
s per <b>(c</b> using	, while are the diawodeks of GFT ?	3
	rite notes on (any four) :	20
,,,,,,,	(a) Cis-trans-isomerism in [ CoCl <sub>2</sub> (NH <sub>3</sub> ) <sub>4</sub> ] <sup>+</sup>	
ndard	(b) Preparation, properties and uses of X <sub>c</sub> F <sub>4</sub> .	
38.5%	(c) Structures of SF <sub>4</sub> and PCl <sub>5</sub> on the basis of VSEPR	
saving	(d) Polymers of Boron	
	(e) Magnetic behaviours of [Fe (CN) <sub>6</sub> ] <sup>-4</sup> and [Fe î (CN) <sub>6</sub> ] <sup>-3</sup>	
anded	E NEED 12 A A NEED	1,0,000
oretical	Give any two methods for the preparation of Benzylalcohol.	5
eam is	and approaches. (any times)	15
erator.	(i) Hoffmann Elimination (ii) Dickmann Condensation	
	(iii) Cannizarro-reaction	
	(iv) Aldol - condensation.	
	VIV SAFAL BOLLOUIS	
(a	Give any two methods of preparation of :	10
	(i) Picnic acid	5.5
system	(ii) Benzophenone.	
b	Explain formation and structure of free radicals.	5
, (C)	How phenol is converted into:	5
•	(i) Ortho and Parabromophenol	
ase the	(ii) Cyclohexanol.	
	Complete telliplication of the second of the	ja livi
Energy.	Complete following reaction and predict suitable mechanism.	10
	(i) 2 CH <sub>3</sub> COCH <sub>3</sub>	
	(1) 2 0 13 0 0 113	
■.	(ii) $C_6 H_5 - C - C - C_6 H_5 \xrightarrow{KOH}$	
	(ii) $C_0 H_0 - C_0 - C_0 H_0 \xrightarrow{KOH}$	<b>1</b>
	6' 15 C <sub>2</sub> H <sub>5</sub> OH -	9
( <b>b</b> )	Distinguish between singlet carbene and triplet carbene.	5
- 0007(	Give manufacturing methods for oxalic acid and benzoic acid.	5
n energy	The state of the s	

(1) Question No. 1 is compulsory.

Attempt any four questions out of remaining six questions.