WE	EKLY EXA	M 2080/04	
Subject: Chemistry	GRADE XII (	SCIENCE)	
Time: 1:30 hrs.	SE	ТВ	
	Group	A	[1×10 = 10]
Attempt all the question	s:		
1. Which of the followi state?	ng transition e	elements show	s the highest oxidation
a) Mn b) Co	c) Cr	d) Fe	
2. Which of the followin	g elements is r	ot a transition	elements.
a) Fe b)	Zn c)	Cr d)	Äg
3. An alkyhalide can be	converted into	alcohol by	
a) Addition b) Elin	mination c)	Substitution	d) Dehydrogenation
4. The order of reactivity			
a) 3°>2°>1° haloalka	aneo b)	2°>3°>1° hal	oalkane
c) 1°>2°>3° haloalka	ane d)	None	
5. Alcoholic beverages a			
a) Ethyl alcohol b)	Acetic acid c)	Formic acid	d) None of these
6. Propan-2-ol is			
a) 1° alcohol b) 3°		2° alcohol	d) None
7. Friedel Craft's alkylat			
a) Free radical substitution rx <sup>n</sup>			
c) Nucleophilic subs			
8. What is the equivalen			
KMnO <sub>4</sub> +C <sub>2</sub> O <sub>4</sub> H <sub>2</sub> +H <sub>2</sub> S	SO <sub>4</sub> → MnSO <sub>4</sub>	+K2SO4+CO2+	H <sub>2</sub> O

c) 126

b) 45

a)  $\frac{x}{5}$  b)  $\frac{x}{3}$  c)  $\frac{x}{2}$  d) x

a) 90

9. The basicity of H<sub>2</sub>SO<sub>4</sub> is

d) 31.6

10. The equivale	nt weight of crystalline of	xalic acid is	
a) 63	b) 53 c) 9	00 d) 66	
	Group B		[6×5=30]
Attempt all que			
1. a)Write the po	ssible structural isomers	of C4H9Br & its IL	JPAC nomenclature
	compounds (x) & (y) wr		
Br	$CH_3 \xrightarrow{Alc KOH} x \xrightarrow{HBr} \Delta$		[3+2]
Write a short with example	note about Markovnikov	's & Antimarkovn	ikov's addition rx <sup>n</sup> [2.5+2.5]
3. How can you by using Vict	distinguish Propan-lol, or Meyer method?	Propan-20l and 2 N	Methyl Propan-2ol [5]
4. Why is zinc	not considered as tra	insition elements?	Write any four [1+4]
5. Calculate the following rea	e equivalent weight of actants.	underlining com	pounds from the
a) $Fe^{4+} + Sn$	$\rightarrow$ Fe <sup>2+</sup>	+Sn <sup>4+</sup>	[1×5=5]
b) <u>Ca(OH)</u> <sub>2</sub>	+ 2HCl → CaC	$Cl_2 + 2H_2O$	
c) NaOH+	SO <sub>2</sub> → Nal-	ISO <sub>3</sub>	
d) 3NaOH +	H <sub>3</sub> PO <sub>4</sub> → Na <sub>3</sub>	PO <sub>4</sub> + 3H <sub>2</sub> O	
e) 2NaOH +			

acidic, basic & neutral medium. [2+3]

6. Define Acidity of base? Calculate the equivalent mass of KMnO4 in

so All the best on