	WEEKLY EXAM 2080/04
Subject: Chemistry GRADE XII (SCIENCE)	
Time	: 1:30 hrs. SET B
	Group A [1×10 = 10]
Atte	npt all the questions:
	hich of the following transition elements shows the highest oxidation ate?
ą	Mn b) Co c) Cr d) Fe
2. \	Thich of the following elements is not a transition elements.
a	Fe 'b) Zn c) Cr d) Ag
3. A	n alkyhalide can be converted into alcohol by
	Addition b) Elimination c) Substitution d) Dehydrogenation
	he order of reactivity of alkylhalides towards a SN ₁ reaction is,
	3°>2°>1° haloalkane° b) 2°>3°>1° haloalkane
	1°>2°>3° haloalkane d) None
	decholic beverages are made of
8	Ethyl alcohol b) Acetic acid c) Formic acid d) None of these
	ropan-2-ol is
	1° alcohol b) 3° alcohol c) 2° alcohol d) None
	riedel Craft's alkylation is
) Free radical substitution rx ⁿ b) Electrophilic substitution rx ⁿ ()
	Nucleophilic substitution rx ⁿ . d) Elimination rx ⁿ .
8.	What is the equivalent mass of C ₂ O ₄ H ₂ in the following reaction?

 $KMnO_4+C_2O_4H_2+H_2SO_4 \rightarrow MnSO_4+K_2SO_4+CO_2+H_2O_4$

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

b) 45

a) 90

9. The basicity of H₂SO₄ is

c) 126 d) 31.6

10. The equivalent weight of crystalline oxalic acid is b) 53 c) 90 d) 66 a) 63 16×5=301 Group B Attempt all questions; 1. a)Write the possible structural isomers of C₄H₉Br & its IUPAC nomenclature b) Identify the compounds (x) & (y) write its IUPAC name also. $CH_3-CH-CH_3$ Alc KOH $X \xrightarrow{HBr} Y$ 13+21 2.) Write a short note about Markovnikov's & Antimarkovnikov's addition rx [2.5+2.5] with examples. 3, How can you distinguish Propan-10l, Propan-20l and 2 Methyl Propan-20l by using Victor Meyer method? 4. Why is zinc not considered as transition elements? Write any four [1+4] characteristics off transition element. 5. Calculate the equivalent weight of underlining compounds from the following reactants. a) $Fe^{4+} + Sn^{2+}$ $\longrightarrow Fe^{2+} + Sn^{4+}$ [1×5=5] b) $Ca(OH)_2 + 2HCl$ \longrightarrow $CaCl_2 + 2H_2O$ c) NaOH + SO₂ —> NaHSO₃ d) $3NaOH + H_3PO_4 \longrightarrow Na_3PO_4 + 3H_2O$

e) $2NaOH + H_2SO_4$ \longrightarrow $NaHSO_4 + H_2O$

acidic, basic & neutral medium.

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

so All the best on

[2+3]