VEEKLY EXAM 2080/05/1	10
GRADE XII (SCIENCE)	F.M.: 40
SET A	P.M.: 20
The second particular to the second s	
Group A	
s:	$[10 \times 1 = 10]$
essary to add to N/2 HCl to prepa	re 500 cc of N/10 solutio
) 300 cc c) 200 cc d)	100
n is titrated with (COOH), solution	n indicator and i
b) Methyl orange	m, mulcator used is
d)/KMnO4 itself	
g isomer has highest boiling point	t?
c) isobutyl alcohol	
lcohol d) tertiary butyl alcohol	
tained when neopentyl alcohol is t	treated with HCl is
e c) tert-pentyl chloride	
e d) sec-pentyl chloride	
g is highly soluble in water?	
ethyl alcohol	
g metal shows +8 oxidation numb	er?
e) Os d)	Mn
d) chloral	
of 0.3 M phosphorous said (II po	1.10
of 0.3 M phosphorous acid (H ₃ PC	
b) 0.3 c) _06 d)	0.0
1) 00)	0.0
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GRADE XII (SCIENCE) SET A Group A S: S: Sssary to add to N/2 HCl to prepare 300 cc c) 200 cc d) is titrated with (COOH) ₂ solution b) Methyl orange d) KMnO4 itself g isomer has highest boiling point c) isobutyl alcohol cohol d) tertiary butyl alcohol tained when neopentyl alcohol is to e c) tert-pentyl chloride d) sec-pentyl chloride g is highly soluble in water? diethyl ether ethyl alcohol g metal shows +8 oxidation numb Pt e) Os d) g is neutral compound? b) C ₆ HOH d) CH ₃ NH ₂ thanol to give b) chloroform

Group B

Attempt all the questions:

During titration, the concentration of KMnO ₄ solution can be determined using standard oxalic acid solution. What is meant by standard solution? b. Calculated the equivalent weight of KMnO ₄ is acidic medium (Molar mass o KMnO ₄ = 158).	
$KMnO_4 = 158$). KMnO ₄ = 158).	it
c. Why is above titration called redox titration?	
d. Name the indicator used in this titration?	
Define titration error?	
Distinguish between end point and equivalent point. 4 g of a divalent metal was dissolved in 100 cc of 2 M H ₂ SO ₄ (f = 1.01). The excess acid required 30 cc of 1 N NaOH for complete neutralization. Find the	
1 N NaOH for complete neutralization. Find the atomic mass of the metal. [2+3] Consider the reaction;	3]
A aq. KOH B Conc H ₂ SO ₄ C HBr D Na E	
Compound A is the halo alkane having molecular formula C ₃ H ₇ Cl. Identify A, B, C, D and E with proper reactions and ILIPAC name	
Write any six important features of transition metal, Cu ⁺ ion is transition metal but can't give colour why? [3+2]	
ou are given an organic compound having molecular formula C-H-Y	
name name and a secondary haloalkane giving their IUPAC	
Give proper reaction sequence to convert the primary halolkane into the secondary halolkane.	•
What product is obtained when the secondary halolkane is subjected to Wurtz reaction?)
Write a structural formula of secondary alcohol of C ₃ H ₈ O and give its	
ii. How would you apply Victor Meyer's method for the distinction of propan-1- ol from propan-2-ol? [3]	
[3]	