	WEEKLY EXAM 2080/05/	10
Subject: Chemistry	GRADE XII (SCIENCE)	F.M.: 40
Time: 1:30 hrs.	SET A	P.M.: 20
	Committee of Allenders and Allenders	
Attempt all the	Group A	
Attempt all the question	18:	$[10 \times 1 = 10]$
is:	essary to add to N/2 HCI to prepa	re 500 cc of N/10 solution
a) 400 cc	a) 300 cc a) 200 cc d)	100
	on is titrated with (COOH) <sub>2</sub> solution	F 100 CC
a) Phenolphthalein	b) Methyl orange	on, indicator used is
c) Methyl red	d) KMnO4 itself	
. Which of the followi	ng isomer has highest boiling poin	t?
a) n-butyl alcohol	c) isobutyl alcohol	
b) secondary butyl	alcohol d) tertiary butyl alcohol	
. The major product of	stained when neopentyl alcohol is	treated with HCl is
Neopentyl chlori	de c) tert-pentyl chloride	e
b) Iso-pentyl chlorid	de d) sec-pentyl chloride	
. Which of the following	ng is highly soluble in water?	
a) Ethane		
c) ethyl iodide	t) ethyl alcohol	
. Which of the following	ng metal shows +8 oxidation numb	per?
a) Au t	e) Os d)	Mn
Which of the following		
	b) C <sub>6</sub> H <sub>2</sub> OH	
. Chlorine reacts with	d) CH <sub>3</sub> NH <sub>2</sub>	
a) ethyl chloride		
c) acetaldehyde	b) chloroform	
	d) chloral of 0.3 M phosphorous acid (H <sub>3</sub> PC	
a) 0.1	11 00 1	
	0 cc 0.1 N HNO <sub>3</sub> and 60 cc of	0.9
together. What is the	normally of the mixture?	U.2 N H <sub>2</sub> SO <sub>4</sub> are mixe

## Group B

## Attempt all the questions:

1. During titration, the concentration of KMnO <sub>4</sub> solution can be determined using standard oxalic acid solution.  What is meant by standard solution?
Calculated the annial to a state of the control of
b. Calculated the equivalent weight of KMnO <sub>4</sub> is acidic medium (Molar mass of KMnO <sub>4</sub> = 158).
c. Why is above titration called redox titration? [1]
d. Name the indicator used in this titration?
Define titration error?
2/ Distinguish between end point and assistant [1]
Distinguish between end point and equivalent point. 4 g of a divalent metal was dissolved in 100 cc of 2 M H-SO (f = 1.01). The
100 01 2 1V 1123 (11 1 - 1 111) The evenes and 120
N NaOH for complete neutralization. Find the atomic mass of the metal. [2+3]
~
A $aq. KOH$ B $Conc H_2SO_4$ C $HBr$ D $Na$ E
Compound A is the halo alkane having molecular formula C <sub>3</sub> H <sub>7</sub> Cl.
Identify A, B, C, D and E with proper reactions and IUPAC name.
Write any six important fort
Write any six important features of transition metal, Cu <sup>+</sup> ion is transition metal but can't give colour why?
3-1-10 mily:
5. You are given an organic compound having molecular formula C <sub>3</sub> H <sub>7</sub> X.
write down the primary and a secondary haloalkane giving their HIPAC
[1]
ii. Give proper reaction sequence to convert the primary halolkane into the
The state of the s
What product is obtained when the secondary halolkane is subjected to Wurtz reaction?
Write a structural formula of secondary alcohol of CaHaO and give its
IIICUIOU III DICDAIAIIOD IICIDA CATIGORAN TOO COM
ii. How would you apply Victor Meyer's method for the distinction of propan-1-
Of Irom propan-2-of?
[3]