10CVD101 AD Clin To at II	
18CYB101J-LAB Slip Test II	
* Required	
18CYB101J-LAB Slip Test II	
The units for specific conductance is *	1 point
Ohms	
Ohms.cm	
Mhos	
Mhos.cm	
If 20 g of NaOH is dissolved in 1 L distilled water, then what is the concentration of the solution? *	1 point
○ 1 N	
O 2 N	
● 0.5 N	
O.05 N	
Name the reference electrode and working electrode used in the estimation of Fe(II) ions by potentiometry *	1 point
Platinum electrode and Standard Calomel Electrode	

•	Standard Calomel Electrode and Platinum electrode	
0	Standard Calomel Electrode and Glass electrode	
0	Glass electrode and Platinum electrode	
	ich among the following apparatus is NOT used in conductometric ation *	1 point
0	conductivity meter	
0	conductivity cell	
0	beaker	
	ondutometric titration when KOH is titrated against mixture of H2SO4 malonic acid, which one will be reacting first? *	1 point
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and O	ondutometric titration when KOH is titrated against mixture of H2SO4 malonic acid, which one will be reacting first? * Malonic acid Sodium malonate Disodium malonate H2SO4 en a strong base is added to a strong acid after the neutralization point conductance decreases	1 point

Estimation of Fe(II) ions by potentiometry is titration. *	1 point
Redox	
O Acid-base	
Precipitation	
Complexometric	
Which among the following reagents is NOT required in conductometric titration of strong acid Vs strong base *	1 point
O HCI	
○ NaOH	
odistilled water	
What is the working principle of conductometry? *	1 point
measurement of potential	
measurement of conductivity of solution	
measurement of emf	
measurements of pH	

Which of the following chemical agent is added during the estimation of Fe(II) ions by potentiometry to avoid the hydrolysis reaction during the titration? *	1 point
○ FAS	
O Phenolphthalein	
o dil. H2SO4	
dil. HCI	
When sodium hydroxide is added to HCl, the H+ions are replaced by *	1 point
slow moving Na+ ions	
fast moving Na+ ions	
slow moving OH-ions	
fast moving OH-ions	
Conductance is measured in the unit *	1 point
O ohm	
mho	
O volts	
O ml	

Conductance of a solution depends upon *	1 point
mobility of ions	
Charge of the ions	
size of the ions	
ocolour of the ions	
Oxidation states of Cr in Potassium Dichromate and Fe in FAS arerespectively. *	_ 1 point
(+VII) and (+II)	
(+V) and (+II)	
(+VI) and (+III)	
(+VII) and (+III)	
The significance of first derivative and second derivative plot in potentiometric titration is *	1 point
O To get additional information about the redox reaction	
To get the voltage of reference electrode	
To get the value of standard electrode potential	
To get more accurate equivalence point in case of colored and dilute solutions	
To get more accurate equivalence point in case of colored and unitle solutions	

!

Which of the following represents the equivalence point in the graph of 1 point EMF vs volume of titrant? *
O Point at the highest EMF
Point at the lowest EMF
Point at the greatest magnitude of the slope of the curve
O Point at the least magnitude of the slope of the curve
When NaOH is added to HCI after the neutralization point the conductance 1 point increases rapidly *
because of fast moving OH-ions
because of fast moving H+ ions
Because of fast moving Na+ ions
because of fast moving CI- ions
In the pilot titration of NaOH Vs HCl by condcutometry, the base is added 1 point in increments of *
O.1ml
O.2ml
1ml
○ 2ml

Conductivity cell is made up of *	1 point
Two silver rods	
Two parallel sheets of platinum	
Glass membrane of Ag/AgCl	
Sb-Sb203	
Among the following applications for which the conductometry titration is not used? *	1 point
To determine of moisture	
O Purity of water	
O lonic product of water	
O Precipitation titration	
In order to get accurate values in titration of HCL Vs NaOH, the NaOH is added in increments of *	1 point
2 ml near and beyond the end point	
1 ml near and beyond the end point	
0.2 ml near and beyond the end point	
0.5ml near and beyond the end point	

If the ion size decreases in solutions then *	1 point
Conductance decreases	
onductance increases	
odoes not affect the conductance	
first decreases and then increases	
The end point in the conductometric titration of strong acid Vs strong base can be determined by plotting *	1 point
Conductance Vs Volume of acid	
Onductance Vs Volume of base	
pH Vs volume of acid	
pH Vs volume of base	
In conductometric titration, after both the acids are consumed, there is a	1 point
steep increase in conductivity due to *	ļ
increase in total volume of solution	
increase in temperature	
increase in OH-ions	
increase in H+ ions	

All of the following statements are correct regarding potentiometric titration except *	1 point
They are suitable for colored or turbid solutions	
The EMF of the cell is zero at the equivalence point	
The results obtained are accurate	
Acid base titration can also be carried out by potentiometry	
At the same concentration and temperature, dilute aqueous solution of strong acid will conduct electricity *	1 point
better than dilute aqueous solution of weak acid	
as much as dilute aqueous solution of weak acid	
O lower than the dilute aqueous solution of weak acid	
two-fold higher than the weak acid	
In the experiment, "Estimation of Fe(II) ions by potentiometry", K2Cr2O7 acts as *	1 point
Reducing agent	
Oxidizing agent	
O Indicator	
Catalyst	

!

Which indicator is used in potentiometric titration? *	1 point
Methyl orange	
O Potassium Chromate	
Eriochrome Black T (EBT)	
No indicator is used	
Conductivity of a solution is directly proportional to *	1 point
dilution	
Current density	
number of ions	
ovolume of the solution	
Basically, potentiometer is a device for *	1 point
Omparing two voltages	
Measuring a current	
O Comparing two currents	
Measuring a voltage	
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