

## ELECTROCHEMISTRY I and II

Std. XII  
CHEMISTRYTime: 30 mts  
Max.Marks: 25

- Unit of specific resistance is
 

a $\text{Ohm}^{-1} \text{m}^{-1}$	b $\text{Ohm m}^{-1}$
c $\text{Ohm}^{-1}$	d $\text{Ohm.m}$
- The enthalpy change for the neutralisation reaction of NaOH with HCl is
 

a 0	b - 57.32 kJ
c 1KJ	d 96.495 kJ
- pOH value for a solution having the pH value 5.5.
 

a 8.50	b 4.50	c - 5.50	d 1.50
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- pH range of phenolphthalein is
 

a 6.8 - 8.4	b 4.4 - 6.2	c 8.3 - 10	d 3.1 - 4.4
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- Colour of methyl red indicator in basic solution is
 

a yellow	b red	c pink	d colourless
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- Which has  $\mu_c = \lambda_c$ ?
 

a $\text{H}_2\text{SO}_4$	b $\text{KMnO}_4$	c $\text{Ca(OH)}_2$	d HCl
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- Electro chemical equivalent is
 

a $\frac{M}{Q}$	b $\frac{Q}{M}$
c $\frac{IT}{M}$	d mIt
- When fourth group elements are mixed with third group elements we get
 

a N-type semiconductor	b P-type semiconductor
c N and P type semiconductor	d decrease in the conducting nature of 4th group elements
- Ionisation constant of an acid is  $10^{-5}$  then pKa value is
 

a 10	b 15	c 5	d 20
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- When equivalent conductance is plotted against  $\sqrt{c}$  which of these will give-a-curve?
 

a ammonium hydroxide	b sodium sulphate
c sodium hydroxide	d potassium chloride
- The quantity of current required to deposit 27 g of aluminium is
 

a 1F	b 2F	c 3F	d 4F
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- The quinonoid form of phenolphthalein is
 

a Pale red	b Pink
c Yellow	d Colourless

