	Multiple Choice Questions  Multiple Choice Questions	If ti
Elec	Multiple Choice Question and Kohlrausch's law  [MHT-CET 2006]  [MHT-CET 2006]	10· a)
Spine and the sp	aductivity and Konfrausen	c)
	Let asia conduction, conduction	If t
	[MHT-CET 2006]  [MHT-CET 2006]  [MHT-CET 2006]  [MHT-CET 2006]  The ionic conductances of Ba <sup>2+</sup> and CI <sup>-</sup> are respectively 127 and 76 ohm-1 cm <sup>2</sup> ) of BaCl <sub>2</sub> at infinite dil <sub>Haligo</sub> .  The ionic conductances of Ba <sup>2+</sup> and CI <sup>-</sup> are respectively 127 and 76 ohm-1 cm <sup>2</sup> ) of BaCl <sub>2</sub> at infinite dil <sub>Haligo</sub> .	11. 152
	The ionic conductances of Ba <sup>2+</sup> and Cl <sup>-</sup> are respectively 127 and 76 ohm <sup>-1</sup> c <sub>fg/2</sub> .  The ionic conductances of Ba <sup>2+</sup> and Cl <sup>-</sup> are respectively 127 and 76 ohm <sup>-1</sup> c <sub>fg/2</sub> .  The ionic conductances of Ba <sup>2+</sup> and Cl <sup>-</sup> are respectively 127 and 76 ohm <sup>-1</sup> c <sub>fg/2</sub> .  The ionic conductances of Ba <sup>2+</sup> and Cl <sup>-</sup> are respectively 127 and 76 ohm <sup>-1</sup> c <sub>fg/2</sub> .  The ionic conductances of Ba <sup>2+</sup> and Cl <sup>-</sup> are respectively 127 and 76 ohm <sup>-1</sup> c <sub>fg/2</sub> .  The ionic conductances of Ba <sup>2+</sup> and Cl <sup>-</sup> are respectively 127 and 76 ohm <sup>-1</sup> c <sub>fg/2</sub> .	
1.	The ionic conductances of six alent conductance (ii)	a).
3	infinite dilution. The equivalent c) 279 d) 101.5	12. W
	will be	a)
	a) 13%3	W
	of 1 molar aqueous solution conductance is 238 cl	13· a)
2.	At 25°C molar conductance of 0.1 and at infinite dilution its molar conductance is 25% onm-1cm 9.54 ohm <sup>-1</sup> cm <sup>2</sup> mol <sup>-1</sup> and at infinite dilution its molar conductance is 25% onm-1cm 9.54 ohm <sup>-1</sup> cm <sup>2</sup> mol <sup>-1</sup> and at infinite dilution its molar conductance is 25% onm-1cm 9.54 ohm <sup>-1</sup> cm <sup>2</sup> mol molar conductance is 25% onm-1cm 9.54 ohm <sup>-1</sup> cm <sup>2</sup> molar conductance is 25% onm-1cm 9.54 ohm <sup>-1</sup> cm <sup>2</sup> mol molar conductance is 25% onm-1cm 9.54 ohm <sup>-1</sup> cm <sup>2</sup> mol mol molar conductance is 25% onm-1cm 9.54 ohm <sup>-1</sup> cm <sup>2</sup> mol	T
	9.54 ohm <sup>-1</sup> cm <sup>2</sup> mol and an anonium nyuroxide	14. 13
	mol. The degree of formation and the degree of formation a	a)
	temperature 13	- T
	a) 2.080% [MHT-CET 2014]	15.
	How is electrical conductance of a conductor related with length and area of cross	C
3.		a
	b) G = k.l.a <sup>-1</sup>	C
		16. F
4.	Which of the following complexes has lowest molar conductance?	100
**	a) CoCl <sub>3</sub> ·3NH <sub>3</sub> b) CoCl <sub>3</sub> ·4NH <sub>3</sub> c) CoCl <sub>3</sub> ·5NH <sub>3</sub> d) CoCl <sub>3</sub> ·6NH <sub>3</sub>	2
	[MHT-CET 2017]	17
5.	What is the SI unit of conductivity ?	17.
٥.	a) S m b) S m <sup>-1</sup> c) S m <sup>2</sup> d) S m <sup>-2</sup>	
	[MHT-CET 2019]	
6.	The conductivity of an electrolytic solution decreases on dilution due to	
	a) increase in number of ions per unit volume	18.
	b) increase in percentage ionization	
	c) increase in ionic mobility of ions	19.
	d) decrease in number of ions per unit volume	
	a de loris per unit volume	20.
7.	The resistance of $\frac{1}{2}$ M solution is $2.5 \times 10^{3}$	-0.
	The resistance of $\frac{1}{10}$ M solution is $2.5 \times 10^3$ ohm. What is the molar conductivity of	
	solution : (Cell constant = $1.25 \text{ cm}^{-1}$ )	
	a) $2.5 \text{ Ohm}^{-1} \text{ cm}^2 \text{ mol}^{-1}$	21.
0	c) $2.0 \text{ ohm}^{-1} \text{ cm}^2 \text{ mol}^{-1}$ b) $5.0 \text{ ohm}^{-1} \text{ cm}^2 \text{ mol}^{-1}$	
8.	The molar conductivities at infinite dilution for sodium acetate, HCl and NaCl and Conductivity of acetic and 126.4.5 and 126.	
	91 S cm <sup>2</sup> mol <sup>-1</sup> , 425.9 S cm <sup>2</sup> mol <sup>-1</sup> and 126.4 S cm <sup>2</sup> mol <sup>-1</sup> respectively. The mol <sup>-1</sup> a) 530.9 S cm <sup>2</sup> mol <sup>-1</sup>	
	of acetic acid at incinity of acetic acid acid at incinity of acetic acid acid at incinity of acetic acid acid acid acid acid acid acid ac	
	, and more	22.
9.	c) 930.5 S cm <sup>2</sup> mol <sup>-1</sup> The molar cond of the	
	The molar conductivity of 0.05 M HCl solution is 163.3 $\Omega^{-1}$ cm <sup>2</sup> mol <sup>-1</sup> a) 0.08165 $\Omega^{-1}$ cm <sup>-1</sup> c) 0.008165 $\Omega^{-1}$ cm <sup>-1</sup> b) 0.8165 $\Omega^{-1}$ cm <sup>-1</sup>	
	a) 0.08165 $\Omega^{-1}$ cm <sup>2</sup> mol <sup>-1</sup> at $2^{98}$	
	1 0 000 cm c c	23.
	d) 8.165 Ω <sup>-1</sup> cm <sup>-1</sup>	
	CIII -	

## IMHT-CET 20201

	[mii]-C	E 1 2020]	
10.	f the resistivity of 0.1 M KCl solution is 50 $\Omega$ cm, what is its molar conductivity?		
	a) ici	b) 240 $\Omega^{-1}  { m cm}^2$	mol-1
	c) $290 \Omega^{-1} \text{ cm}^2 \text{ mol}^{-1}$	d) 200 O-1 2	
11.	f the molar conductivities at infinite att.		
12.	the constant in conduction	ctance and I c	
	~) I.O CIII	CI II h com	1 0 4 1
13.	which among the following electrical pr	operties has SI unit	LC:
	a) certained b) Kesistivity	c) Recistance	1) C 1
14.	The conductivity of Nat Sollifton is 60	v 10-4 O-1 1	1967 - 1955 - 35 - ST 15 - 15
	in a calculate the conce	ntration of Nal col	ition
	a) 0.05 M b) $7.2 \times 10^{-3}$ M	c) 0.005 M	d) 2 × 10-2 M
15.	The resistance of 0.01 M solution of an	electrolyte is 100	$\Omega$ at 298 K. What is the
	$O(A) = \{ (G(A) : (G(A)) : (G(A)) = \{ (G(A)) : (G(A)) : (G(A)) : (G(A)) = \{ (G(A)) : $	cm <sup>-1</sup> )	
	a) 10 <sup>3</sup> ohm <sup>-1</sup> cm <sup>-1</sup>	b) 10 <sup>-3</sup> ohm <sup>-1</sup> cr d) 10 <sup>2</sup> ohm <sup>-1</sup> cm	n <sup>-1</sup>
	c) 10 <sup>-2</sup> ohm <sup>-1</sup> cm <sup>-1</sup>	d) $10^2 \text{ ohm}^{-1} \text{ cm}$	-1
16.	Resistance of 0.1 M KCl solution in a conductivity cell is 300 obm and conductivity		
	. What is cell constant?	V I	
17.	a) 3.0 cm <sup>-1</sup> b) 1.5 cm <sup>-1</sup>	c) 4.5 cm <sup>-1</sup>	d) 3.9 cm <sup>-1</sup>
27.	The conductivity of 0.01 M salt solution conductivity of the solution?	on is $1.061 \times 10^{-4}$	S cm <sup>-1</sup> . What is molar
	a) $10.61 \Omega^{-1} \text{ cm}^2 \text{ mol}^{-1}$	b) 1 061 O-1 2	1-1
	c) $106.1 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$	b) $1.061 \ \Omega^{-1} \ cm^2$ d) $1.061 \times 10^{-4} \ \Omega^{-1}$	mol <sup>-1</sup>
18.	What is the unit of electrical conductance	a) 1.001 × 10 - 52	cm² mol-1
	a) Ohm b) Siemens		d) Volt
19.	What is the common unit of conductivity is		,
	a) $\Omega^{-1}$ cm b) $\Omega$ cm <sup>-1</sup>		
20.	What is the molar conductivity of 0.1 M N		,
	a) $1.06 \times 10^2 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$	b) $5.3 \times 10^3 \Omega^{-1}  \text{cm}$	
	c) $1.06 \times 10^{-2} \Omega^{-1} \text{ cm}^2 \text{ mol}^{-1}$	d) $9.4 \times 10^{-2} \Omega^{-1}$ d	
21.	What is the conductivity of 0.01 M NaC NaCl solution are 375 ohms and 0.5 cm <sup>-1</sup>	l solution if resista	nce and cell constant of
	a) $1.333 \times 10^{-4} \ \Omega^{-1} \ \text{cm}^{-1}$	b) $7.50 \times 10^{-3} \Omega^{-1}$	
	c) $1.875 \times 10^{-3} \text{ O}^{-1} \text{ cm}^{-1}$	d) $1.333 \times 10^{-3} \Omega^{-}$	A. Carrier and A. Car
22.	Conductivity cell filled with 0.01 M KCl gi $0.00141~\Omega^{-1}~{\rm cm}^{-1}$ at 25°C. What is cell con	ves a resistance of 4	
		c) 0.510 cm <sup>-1</sup>	d) 0.341 cm <sup>-1</sup>
23,	What is the cell constant of $\frac{N}{10}$ KCl solution		
	the solution are 0.0112 $\Omega^{-1}$ cm <sup>-1</sup> and 55.0	Ω respectively ?	, somme of
/	a) 0.616 cm <sup>-1</sup> b) 0.2 cm <sup>-1</sup>	c) 0.491 cm <sup>-1</sup>	d) 2.0 cm <sup>-1</sup>
1	b) 0.2 cm		and citi

		wan of CaClar II the monat congue
	hamistry at infini	te dilution and 71 Ω-1 cm² mol
Electi	rochemistry at infini	on is 119 and only mol-1
24.	What is the molar conductivity at infinite of Ca <sup>2+</sup> ion and Cl <sup>-</sup> ion at infinite dilution 126.0 Q <sup>-1</sup> cm <sup>2</sup> mol <sup>-1</sup>	b) 261.0 se nol-1
	of Ca2 ion and C	d) 431.0 12 what is the molar cond.
	a) 126.0 9 <sup>-1</sup> cm mol-1	a is 2 × 10-2 Q-1, What is the conductivity
	c) 341.0 Q-1 cm- 1101	2 1-1
25.	If the conductivity of o.o.	d) $431.0 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$ n is $2 \times 10^{-2} \ \Omega^{-1}$ , what is the molar conduction b) $25.0 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$
	- Calma collination -	1 1001
	a) $350 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$	ant, conductivity and electrical resistance; $R = \frac{R}{R \cdot b}$ a) $k = \frac{1}{R \cdot b}$
	c) 250 Ω <sup>-1</sup> cm <sup>2</sup> mol hatween cell const	ant, conductive
26.	What is the relation between	c) $k = \frac{R}{b}$ d) $k = \frac{1}{R.b}$
	a) $k = \frac{b}{R}$ b) $k = R.b$	aCl solution, if the molar conductivity and $0.3  \Omega^{-1}  \text{cm}^2  \text{mol}^{-1}$ and $0.3  \Omega^{-1}  \text{cm}^2  \Omega^{-1}  \text{cm}^2$
27	What will be the concentration of N	aCl solution, if the motal conductivity and $4.3 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1} \ \text{and} \ 1.243 \times 10^{-4} \ \Omega^{-1} \ \text{cm}^2$
21.		
	respectively!	a) 0.001 mol L-1
	a) 0.01 mol L <sup>-1</sup> b) 0.02 mol L	and activity cell is 0.98 cm and area of cross
28.	The distance between electrodes of a	conductivity cell is 0.98 cm and area of cross
	section is 1.96 cm <sup>2</sup> . What is the cell cor	o 5 cm <sup>-1</sup> d) 1 cm <sup>-1</sup>
	1 L\ 1 E cm = 1	c) 0.5 cm
a) $2 \text{ cm}^{-1}$ b) 1.5 cm $^{2}$ Molar conductivity of 0.01 M HCl solution is $400.0 \ \Omega^{-1} \ \text{cm}^{2} \ \text{mol}^{-1}$ .		dution is 400.0 \(\Omega \times \text{cm}^2\) filor -, Calculate in
	conductivity of HCl solution.	
	a) $2.5 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$	b) $4.0 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$
	c) $8.0 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$	d) $4.0 \times 10^{-4} \Omega^{-1} \text{ cm}^{-1}$
30.	Conductivity of a conductor is	
545	a) inverse of resistance	b) inverse of conductance
	c) inverse of resistivity	d) equal to resistivity
31.	What is the molar conductivity of 0.4 M	solution of KCl if its recistivity is 2 5x10-30 cm
	a) $2.1 \times 10^{3} \Omega^{-1} \text{ cm}^{2} \text{ mol}^{-1}$	b) $1.0 \times 10^5 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$
	c) $1.0 \times 10^6 \Omega^{-1} \text{ cm}^2 \text{ mol}^{-1}$	d) 21 - 104 O 1 2 3 1 1
32.	What is the molar conductivity of	d) $2.1 \times 10^4 \ \Omega^{-1} \ cm^2 \ mol^{-1}$ 0.1 M NaCl solution if its conductivity is
	$1.01 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$ ?	o.1 M NaCl solution if its conductivity
	a) $1.01 \times 10^{-2} \Omega^{-1} \text{ cm}^2 \text{ mol}^{-1}$	12.4
	c) $1.01 \times 10^4 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$	b) $1.01 \times 10^{-4} \Omega^{-1} \text{ cm}^2 \text{ mol}^{-1}$
33.	A conductivity cell dipped in 0.5 M KC	d) $1.01 \times 10^2 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$ gives a resistance of 250 ohms. If the conductivity what is the collapse of 250 ohms.
	of KCl solution is 6.68 × 10 <sup>-3</sup> S cm <sup>-1</sup>	gives a resistance of 250 ohms. If the conductivity
34.	A conductivity cell dipped in 0.01 M	c) 0.810 cm <sup>-1</sup> d) 0.270 cm <sup>-1</sup> agNO <sub>3</sub> solution gives a resistance of 3160 oh
	if cell constant is 0.47 cm <sup>-1</sup> , what is at	gNO3 solution gives a resistance of 3160 ohms
	a) $6.723 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$	e conductivity of AgNO solution?
	$(1.40) \times 10^{-4} \Omega^{-1} \text{ cm}^{-1}$	c) 0.810 cm <sup>-1</sup> d) 0.270 cm <sup>-1</sup> agNO <sub>3</sub> solution gives a resistance of 3160 chm <sup>-3</sup> e conductivity of AgNO <sub>3</sub> solution? b) 1.487 × 10 <sup>-2</sup> Ω <sup>-1</sup> cm <sup>-1</sup>
35.		10 52 · Cm ·
	conductivity of 0.02 M NaCl	CET 2021] $^{0)}$ 7.10 × 10 <sup>-2</sup> $\Omega^{-1}$ cm <sup>-1</sup>
	a) 8.16 O-1 c-2	ition is 2.04 × 10.4
	c) 12.24 Ω <sup>-1</sup> cm <sup>2</sup> mol <sup>-1</sup>	CET 2021]  Ition is $2.04 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$ . What is its main
	cm- mol-1	b) 10 22 Q 1
		b) $10.22 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$ d) $4.08 \ \Omega^{-1}$
		1.00 ()-1 _ 3

-	What is the conductivity of 0.02 M HCI so	lution if molar conductivity of the solution at		
2.	-roc ic 412.3 Q-1 cm-1 mol-1?			
	$e = 80 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$	b) $8.414 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$		
	a) 8.624 × 10 <sup>-3</sup> Ω <sup>-1</sup> cm <sup>-1</sup>	d) $8.246 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$		
	[MHT-CE	T 20221		
	what is the change in potential of follow	wing cell $Zn_{(s)} + Zn^{2*}(1M) + Pb^{2*}(1M) + Pb_{(s)}$		
3.	if concentration of ions at anode is increa	ased 10 times?		
	a) Decreases by 0.0296 volt	b) Increases by 0.0296 volt		
	c) Increases by 10 volt	d) Decreases by 10 volt		
	What is the SI unit of molar conductivity			
	a) S dm <sup>3</sup> mol <sup>-1</sup> b) S m <sup>2</sup> mol <sup>-1</sup>			
	cell constant of conductivity cell?			
	a) 1.0 M KCl b) 0.01 M KCl	c) 0.1 M KCl d) saturated KCl		
bb.	The conductivity of 0.20 M KCl solution	at 300 K is $0.0248~\Omega^{-1}~\text{cm}^{-1}$ . What is its molar		
	conductivity?			
	a) $62 \Omega^{-1} \text{ cm}^2 \text{ mol}^{-1}$	b) $186~\Omega^{-1}~\text{cm}^2~\text{mol}^{-1}$		
	c) $124 \ \Omega^{-1} \ cm^2 \ mol^{-1}$	d) 93 $\Omega^{-1}$ cm <sup>2</sup> mol <sup>-1</sup>		
67.		dilution for NaBr if molar conductivities at		
	infinite dilution for NaCl, KBr and KCl a			
	a) $128 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$	b) $176 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$		
	$\Omega = 278 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$	d) $302 \ \Omega^{-1} \ \text{cm}^2 \ \text{mol}^{-1}$		
bb.	For which of the following electrolytes, Kohlrausch law of independent migration of			
	ions is used to calculate molar conductiv	The state of the s		
69.	a) Na <sub>2</sub> SO <sub>4</sub> b) NH <sub>4</sub> OH			
19.9	What is the cell constant if conductivity	aining 0.001 M KCl solution at 300 K is 150 $\Omega$ .		
	a) 0.337 cm <sup>-1</sup> b) 0.225 cm <sup>-1</sup>	c) $0.112 \text{ cm}^{-1}$ d) $0.450 \text{ cm}^{-1}$		
70.	-,	8 mm apart and having cross sectional area		
	2.0 cm <sup>2</sup> . What is the value of cell constan			
	a) 3.6 cm <sup>-1</sup> b) 0.2 cm <sup>-1</sup>	c) 0.18 cm <sup>-1</sup> d) 0.9 cm <sup>-1</sup>		
71.	What is the SI unit of conductivity?	CONTROL CONTROL (Property		
	a) Q-1 cm h) Q-1 cm-1	c) $\Omega$ cm <sup>-1</sup> d) $\Omega^{-1}$ cm <sup>2</sup> mol <sup>-1</sup>		
72.	What is the value of conductivity of 0.0	1 M solution of an electrolyte having molar		
	conductivity 141 $\Omega^{-1}$ cm <sup>2</sup> mol <sup>-1</sup> ?			
	a) $7.09 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$	b) $4.23 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$		
78.	O 1.41 * 10 <sup>-3</sup> Ω <sup>-1</sup> cm <sup>-1</sup>	d) $5.64 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$		
	" conductivity of 0.01 M CH3COOH	is 19.5 Ω <sup>-1</sup> cm <sup>2</sup> mol <sup>-1</sup> . Calculate the degree of		
	dissociation if molar conductivity at zer a) 0.08 b) 0.2			
74.	a) 0.08 b) 0.2	c) 0.6 d) 0.05  H <sub>2</sub> CICOOH at zero concentration if molar OOK at zero concentration are 4.2, 1.4 and		
	conductivities of HCL KCl and CH2CIC	OOK at zero concentration are 4.2, 1.4 and		
	1.1 Q-1 cm2 mol-1 respectively.	are 4.2, 1.4 and		
	a) 1.1 Q-1 cm <sup>2</sup> mol <sup>-1</sup>	b) 4.5 Ω <sup>-1</sup> cm <sup>2</sup> mol <sup>-1</sup>		
-	c) 3.9 Q-1 cm <sup>2</sup> mol <sup>-1</sup>	d) 6.6 \$2 <sup>-1</sup> cm <sup>2</sup> mol <sup>-1</sup>		

lect	TOURCE TO OLD MAN TO O	1 11	
36.	What is the conductivity of 0.01 M KCI	solution if its resistance is 600 ohm and cell	
	$1.5 \times 10^{-3} \Omega^{-1} cm^{-1}$	b) $1.2 \times 10^{-3} \ \Omega^{-1} \ \text{cm}^{-1}$	
	a) $1.5 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$ c) $1.0 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$	d) $1.8 \times 10^{-3} \Omega^{-1} \text{ cm}^{-1}$	
	c) 1.0 × 10 and 10 conductivity of standard KCl		
87.	$f_{KCI}$ is conductivity of standard KCI solution and $R_{KCI}$ is its resistance then cell constant is given by		
	a) Cell constant = $\frac{R_{KCl}}{k_{KCl}}$	b) Cell constant = $k_{KCI} \times R_{KCI}$	
	c) Cell constant = $\frac{k_{KCl}}{R_{KCl}}$	d) Cell constant = $\frac{R_{KCI} + k_{KCI}}{2}$	
88.	its conductivity?	solution at 25°C is 124 $\Omega^{-1}$ cm <sup>2</sup> mol <sup>-1</sup> . What is	
	a) $2.24 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$	b) $2.48 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$	
Ł	c) $3.72 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$	d) $1.24 \times 10^{-2} \Omega^{-1} \text{ cm}^{-1}$	
	Electrolytic cells and quanti	itative aspects of electrolysis	
	[MHT-C	CET 2015]	
89.		de during electrolysis of fused sodium chloride	
	using suitable electrode is	b) Reduction of sodium ions	
	a) Oxidation of chlorine	d) Oxidation of sodium atoms	
	c) Reduction of chlorine		
	[MHT-C	CET 2016]	
90	90. How many faradays of electricity are required to deposit 10 g of calcium from molten calcium chloride using inert electrodes? (Molar mass of calcium = 40 g mol <sup>-1</sup> )		
	a) 0.5 F b) 1 F	c) 0.25 F d) 2 F	
91	In the cell represented by $Pb_{(s)} Pb^{2+}_{(1N)}$		
	a) Pb b) Pb <sup>2+</sup>	c) Ag d) Ag <sup>+</sup>	
92	In dry cell, what acts as negative electr	rode?	
	a) Zinc	b) Graphite	
	c) Ammonium chloride	d) Manganese dioxide	
		CET 2017]	
9:	Which - 4 fallowing equations	represents the reduction reaction taking place	
	in lead accumulator at positive electroc	de, while it is being used as a source of electrical	
	a) $Pb \rightarrow Pb^{2+}$ b) $Pb^{4+} \rightarrow Pb$	c) $Pb^{2+} \rightarrow Pb$ d) $Pb^{4+} \rightarrow Pb^{2+}$	
		CET 2018]	
9	4. The number of moles of electrons page	ssed when current of 2 A is passed through a	
	solution of electrolyte for 20 minutes i	b) 1.24 × 10 <sup>-2</sup> mol e <sup>-</sup>	
	a) $4.1 \times 10^{-4} \text{ mol } e^-$	d) 2.487 × 10 <sup>-1</sup> mol e <sup>-</sup>	
(	$^{\circ}$ 2.487 × 10 <sup>-2</sup> mol e <sup>-</sup>		
A	that is the density of solution	sulphuric acid used as an electrolyte in lead	
	accumulator ?  a) $1.5 \text{ g mL}^{-1}$ b) $1.2 \text{ g mL}^{-1}$	c) $1.8 \text{ g mL}^{-1}$ d) $2.0 \text{ g mL}^{-1}$	