

Marking Scheme

Chemistry

Delhi- SET (56/1/3)

1	In which the alignment of domains (moments) is in a compensatory way to give zero net moment.	1
2	$\Lambda_m = \frac{\kappa}{c}$ where Λ_m is molar conductivity, κ is conductivity c is concentration in mol L ⁻¹	1
3	Chemisorption	1
4	Q.5 Set 1	1
5	Q.4 Set 1	1
6	Q.8 Set 1	1
7	Q.6 Set 1	1
8	Q.7 Set 1	1
9	Q.11 Set 2	2
10	$R = \rho(l/A)$ Cell constant, $l/A = R/\rho = R\kappa = \text{Resistance} \times \text{Conductivity}$ $= (1500 \Omega) \times (0.146 \times 10^{-3} \text{ S cm}^{-1})$ $= 0.219 \text{ cm}^{-1}$	1 1
11	Q.9 Set 2	2
12	Q.16 Set 1	2
13	Q.17 Set 1	2
14	Q.9 Set 1	2
15	Q.10 Set 1	2
16	Q.18 Set 1	2
17	Q.14 Set 1	2
18	Q.15 Set 1	2

27	Q.23 Set 1	3
28	Q.29 Set 1	5
29	Q.28 Set 2	5
30	Q.30 Set 1	5