Paper-3 Gi) a (iii) d (iv) c 2] (i) A (ii) A (iii) A (iv) D -> 1" avation 3 c) -11st Overtion 4] c) -> 1st Overtion 5 6) 6 a) 7) c) - 5 2nd avestion 8 6) 9 b) ->15t Chustion 107 6) 11 6) 12] (13] a 147 & C

15] d ->154 Question

$$a^3 = 3.61 \times 10^7$$

= 36100000

$$C = \sqrt{\frac{3a}{4}}$$

$$= 0.433 \times 330 4$$

$$= 143 \cdot 1$$

- 16 calculate limiting motor conductivity

2/010

$$A = \pi r^{2}$$
= 3 14 x 0.5 x 0.5
= 0.785 m²

Resultuity

$$f = \frac{A \cdot R}{l}$$
= 5.55 × 10³ × 0.785

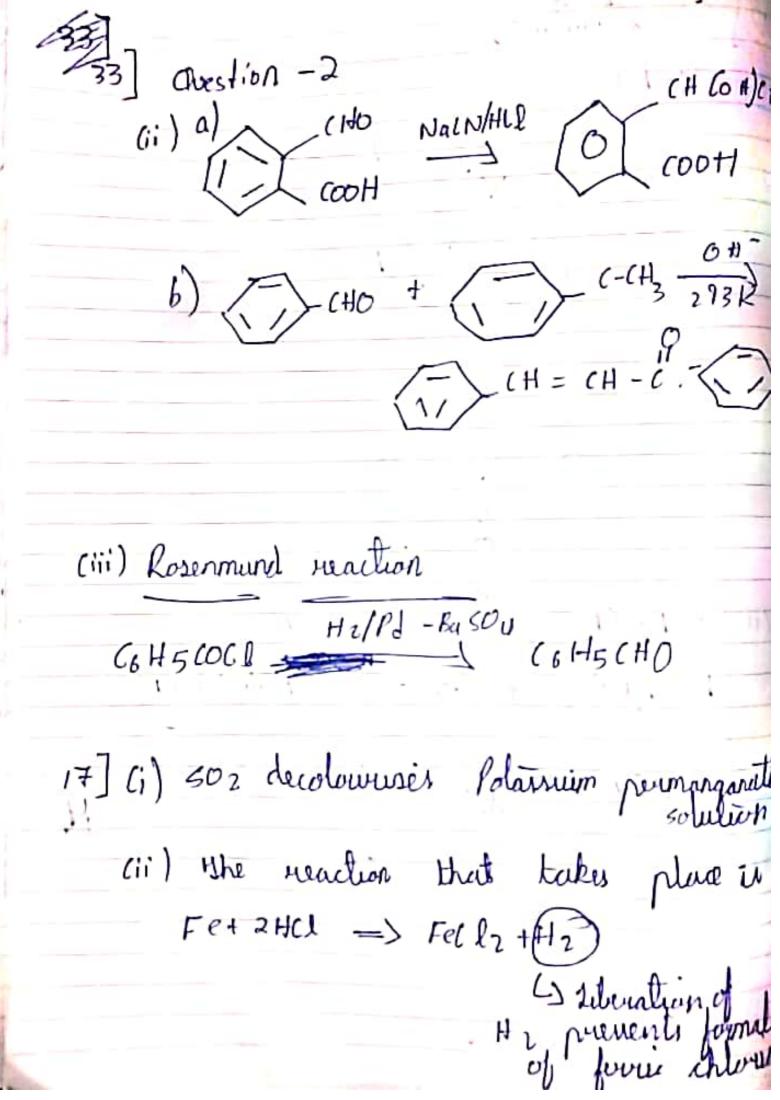
= 67 135 ohman

$$K = 1/g$$
 = $\frac{1}{87.135}$ = 0.01148 5/cm

structures Xe F4 Xe Oz (ii) a) Ba (N3) 2 Heat Bu + 3N2 P) 8 NH3 + 36hr - > 6 NH4(1+N2

c) 4Zn + 10HNB3

= 1 4 Zn(NO3)2+5420



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(iii)
$$K = \frac{0.693 \text{ ft}}{4.59}$$

(iii) $K = \frac{0.693 \text{ ft}}{4.59}$

(iii) $K = \frac{0.693 \text{ ft}}{4.59}$

(iv) $K = \frac{0.693 \text{ ft}}{4.59}$

(i

20 I wit Half types [22] (i) In ocide exhibits, enhanced elicter conductivity on heating because in the reighbouring interstitual riters while electricity in the reighbouring interstitual riters. It 23] (i) [(r(H20)5(l](l2.H20 (ii) pentauguachloridochromum (111) chloridemonohydrate (ii) 4-Brumo-3-Methylprend-2-end 25 A) Neopentano B) 1) Retention 2) Annewsion

30] (i) This is because copper shows (!!) AND PROPERTY Magnetic moment n (n+ 2) = 5(5+2)= 35= 592 BM XiII) Mort has [AN] 3,15 capt.

29] (.) Methyl amire being more basic than water water, it accepts a proton from water behind of units.

(11) A - (H3(DOH B - (H3(DNH)

(ili) ((2H5) 2 NH , ((2H5) 3N, (2H4NHZ, NH

2 - Ethylberzaldshyde Rentions (2H5 Tollens 2. Ethylberyaldelyd (ii) Chlouine mater produces oxygen which is myronsuble bleaching act