[Pt (en)2 Cl2] Co-ordination number > 6 Oxidation state -> +2 [Pt(11)] FEO has a non-staichiometric composition due to metal deficiency defect due to cationic varancies. In the crystal some Fe2+ ions are missing and the nearly Fe2+ atoms lions are oxidised to Fe3+ to maintain electrical neutrality. So for every & Fe2+ , only 2 Fe3t are present and one vacancy is created. The composition thus becomes Feo. 950. benzyl chloride Penzyl chloride is hydrolysed easily because the benzyl carbocation formed is more stable. On the other hand, C-CI bond in chlorobenzone acquires

partial double bond character due to recononce and the carbon is spt hybridised. Also phanyl carbocation formed is highly unstable. There is possible repulsion between apperoaching nucleophile and electron rich arene. This is more in case of Morgenzene than benzell chloride.

CH3 - CH3 - CH3 - CH3 - CH3 - CH3 - CH3

3, 3 - dimetayl pentan -2-ol

5) These reaction shows the selectivity of the catalyst.

St is the ability of the catalyst to direct the execution to yield positicular peroducts.

Example: CO + 3H2 Ni = CH4 + H2O

CO + 2H2 arteno-area CH30H

CO + H2 Ar HCHO

NH3, PH3, ASH3, SbH2, BiH3 coo PH3 (b) NH3 (C) NH2 do BiH3 Mass of glucose, W= 60g Molar mass of glucase, M2 = 180 g mol" (ag(180) - 0.2695 200 (1.19) - p. 1229 Mass of water , W, = 250g antix(0.3924) Kg = 1.86 K Kgmal" 2-479 Molality of the solution, m = W2 x 1000 m = 60g x 1000 1.333 180gmol" x 250g m = 1.333 mol kg Depression in freezing point, ATE = KEXM ATE = 1.86 KKg mol x 1383 mol kg ATF = 2.474K ATF = 2.48 K

