NAME: NNABUIKE CHIAMAKA ASSUMPTA

MATRIC NO: 19/MHS01/259

DEPARTMENT: MBBS/MHS

COURSE: CHM 102

TITLE: NEW ASSIGNMENT

NAME: NNABUIKE CHAMAKA ASSUMPTA DEPT: MBBS MAIRIC NO: 19/MHS01/259 COURSE : CHM 102 Classification of Alcohols There are two major ways of classifying alcohols => This type of classification is based on the number of hydrogen atoms attached to the carbon alon containing the hydroxyl group. This classification divides alcohols with Primary alcohols: Alcohols in which have are two or three hy druggen atoms attached to the carbon carrying he hydro. M gloup e.g. CH3OH (methons) Secondary alcohols: Alcohols in which there is only one hydrog en atoms attached to the aibon carrying the hydroge group eq (the CH (OH) Cth · lettiary alcohols: Alcohols in which there are no hydrogen about attached to the carbon bearing the fry droxy I group leg fethers (CH3)3 C-10H. The second type of classification is bevied on the hydroxyl groups present the alcohol passes. This classification divides alcoholi into four Monohydicalio hols: Alcohols which have an hydryl group pesent in their alcohol structure eg (the lite (the the) · Di chydic alcohols: Alcohols which have two hydroxy) group present in their alighold structure eig Hoctle CHADT Minydic alcohols: Akohols which have Three hydroxy group present in their alcohol structure. e.g NOH (H2 (H), (OH) (H, OH).

Polyhydric alphals: Mostals which have more than three bydox groups in their alond stricture. They are also reflaced to as polyols eig Ct/3 CH(OH) CH(OH) CH JOH) (H(VH) CHICH) (H) 2. Solubility of Alrohols. Lower wholes with up to 3 carbon alow in the molade are soluble in water because these lower alrohas can form hydrogen bond with water molecules. The wdor solubility decress with increasing relative molecular mass. All monghydet alrahls are voluble in organic solvent. The volubility of simple alcohol and phylydric another is largely due to their ability to form by droger bords with water moteriles 3. Industrial manafacture of elizans. Generally, starty foods such as rice, make or palley as used as a source of starche, Polato among the lot is the most common a) Extraction of the starch: The potato is crushed and the o Steammed at 1400°C & 1500°c under pressure to hydrolysis, starch undergoes germination at 100° cto 180°c for a few days. This deminated starts is cated matt. Diffydiolysis of storch; Storch is trydistysed to malbox by an enzyme Khowa as dialase 2 ((6H10O5)n+ nH2O Diotase n ((12H22O,)) c) Years is their added at som temperature. Yeart nortons 2 enzypes which converts mathese to glucose (12 +1220 11 (cap) + +120 a) matters 2 (6 +11206 (cap) glucost

The glucose at constant temperature is then convoiled into aliability the enzyme zymase contained also in yearst. Cotto 06 - Zymase > 2 Ctlo Ctlo Otl + 2 (02 queose. 1) Reachon between 2-methyl proponal and buty I magnesium Pichloide. CH3 CH2 CH2 CH2 H20 > EH3 CH(CH3) - C-H- + Mg (OH)C(. 7) CH3CH(CH3) - 10 -H 2.AlH - CH3 (H(CH3) CH2OH -2-methylpropan-1-ol 8) Propan-1-21 to propan-2-21. Ctly Alz Ctlz Oti + H2SO. propan-1-01 -> CH3 CH2 CH2 O+1,0503+1. 13 CH3(H2 CH2 0503 H propyl hy drogensulphate Hosay CH, CH = CH2 Hog (Hot) (H) Progran-2-01.