lopic - Acid Bose And Salt Indicator - It is a dye that changes colour when it is but in acid or bose. It can be - classified as I Litmus paper 2 Methyl Orange-Acid turn Blue Litmus to Red It become Red in acid Base turn Red Litmus to Blue It become Yellow in base 3 Phenospthalien - (Neutral Colour) It become Colourless in acid and become pink in base. ACID - Those Chemical Substance which have Sour taste Types of Acid Mineral Acid Organic Acid Those acids which are obtain from Those acid which are present minerals. (Strong Acid) in plant and animals (weak acid) Ex- Hydrochloric acid - HCL ex- Acetic Acid - CHOCOOH Sulphuric acid - Hason -formic acid - HCOOH Nitric Acid - HNO3) Some Imp Organic acid And their Source. Source of Acid Formula -Acid = Acetic acid - CH3(OOH (Imp) - Vinegar = Oxalic Acid - C2 H2O4 (8mb) - Tomato 2 Sactic acid - C3H603 Curd

4 formic Acid - HCOOH (Prb) - Ant Stings

5 Madicacid - Cythos

6 Carbonic Acid - Helos

Tea leaves

Rain Water

BASE - Those Chemical Substance which have bitter taste. Water Soluble base are known as allkalis. Ex- NooH, KOH -> (potasiam Hydroxide), CaGH)2, Mg(OH)2 (Sodium Hydroxide) (Strong Base) Common name of NaOH -> Caustic Soda Only Common Name of KOH -> Caustic Potash (2015, 2016, 2017, 2018 2019) ACIO-BASE Theory of different Scientist -Arhenius Theory - Acid are those Substance which give Ht ion on dissolving in water and Base are those which gives OH ion on dissolving ex- Acid Ha - Ht + ar Bake NaOH -> Na+ + OH-More H+ -> Strong Acid More OH- -> Strong Borse Bronsted-Lowry Theory - Am acid is a Substance which loose proton Base is a Substance Which accept proton Lewis Concept - An Ocid is a substance which accept pair of electron.
2016, 2018 Base is a substance which donate pair of electron. PH Scale - It is a scale which is used to find the strongth of acid or base. It depends on the Concentration of hydrogen - ion.

This scale has number from o to 14

1 tid , Base + 14 rig 1 page 1 OX PHX7 -Acid PH=7 Neutral (Water) 20 1905 No.: 0719296943 J & PH < 14 Base

- Some Important SALTS -
I Dome Important JALIS - The Sodium Chloride - (Common Salt) - Nacl
2017 Method to prepare-
Neutralisation Reaction - When an acid react with base it will form Salt and Water, this reaction is known as neutralisation Par.
Acid + Base - + Salt + Water
NaoH + HCI -> Nach + H20 Common Salt
Uses - @ Use as row material @ use in manufacture of Soap
ITrd Sodiam Hydroxide -
Common Name - Caustic Soda - formula - NaOH
Method to prepare - It is formed by Electrolysis of aqueous Solution
Method to prepare - It is formed by Electrolysis of aqueous solution Of Nacl (Brine). In this process Chlorine gas is produce at anode and hydrogen at Cathode - This process is known as Chlor - alkali process.
Jon 3 Nach + HO - Nach + Chr + Hos
Sochium Hydroxide
Uses - O In manufacture of paper D In manufacture of Soap.
III ra Sodium Hydrogen Carbonate -
Common Name - Baking Soda formala - Natico3
Method to prepare - prepared by Reacting Solution of NH3 and CO2.
Nach + Hzo + NH3 + Coz -> NaHCo3 + NH4Ch Baking Soda Uses - (i) It is used to remove acidity of stomach. In Used in making baking powder. prepared by - Washent Copper Nach Copper Na
Uses - (1) It is used to remove acidity of stomach. 1 hu-
[11) Used in making baking powder. prepared of
(11) Used in making balking powder. Prepare Cupy A
2 (200

IV " Calcium Oxy Chloride - 2015,2017 Common Name - Bleaching formula - GOOD2 Method to prepare - prepared by passing Chlorine gas Over slaked lime. (a(OH) + (l2 - r) CQO(l2 + H20 Bleaching powder Uses- O To dissin-fectout water @ Bleaching of clothers. Vi Washing Soda - (Sodium Carbonate deca Hydrate) Common Name-Was Co3. 10 H20) -> - Formula - Nas (03. 10 H20)
Washing Soda Method to Prepare - It is formed by two steps by Baking Soda-Baking Soda Heat > Maz(03 + theo + Coz No2 (03 + 10 H20 -> No2 (03. 10 H20 Uses- @ Used in Manufacture of Soap, paper.

(Valashing Sode) Vi " Calcium Om Sulphate Hemi Hydrate - 2.17 Common Name - blaster of Daris formald - (alod. 7 Hro Method to prepare- prepared by heating gypsum at 373°C (3504.2420 Heat Cason. J. 420 + 12 H20.
(3465am) 373K (6.0.6) (Generally Br.) Uses - 1 making Wall Surface Smooth @ Making plaster to set up -floctured power.

Some Imp Ron O Metal + Acid -> Salt + Hydrogen 900 In + H2504 -7 Inson + H2 Butter Solution - It is a Chemical Solution which resist change to its pH or acidity. It is a solution in Water of a mixture of a weak acid or base and its solt Ex- CH3 COOH + CH3 COONA Bufung pr -NISHANT GUPTA Mob No - 7895154499