## **DEPARTMENT OF CHEMISTRY,**

## NTR GOVT DEGREE COLLEGE, MAHABUBNAGAR

## Best practices - 2022-2023 - "Learn chemistry today"

The department of chemistry has made an innovative best practice every year is "Learn chemistry today". Daily on the department display board new chemistry information is written to create interest among the students. Each one faculty collect new chemistry topic and pass on to the students through the notice board. So that students learn chemistry in an innovative way.



2021 - 202263 A-Y 2021- 2022 Dt. 06.09-2021 > OMCS are useful as catations in the preph of a wide range of MAON organic compete. eg. Tri ethyl aluminium is a catalyst in the polymerization of ethelene . -> R-Li compete and used In rubber manufacture -> some one's are used in medicine. Mercuro chromo is an antiseptic Salvarson is a medicine for syphilies. -> Ome's of Sn, Al & B are useful as fungicides -> Ome's of As, Sb, Hg and Ag are used as war gases and pesticides. 07.09-2021 Trans-position derecting Seneri-- A perusal of several reactions involving pt (11) with a Groves of ligands led to the following qualitative sequence of trans effect-High end cN~ co~ NO7 PRg~ HT 7 CN 7 S = c (NH2) 7 GH5~ NO ~ SCAL 7 BT ~ CT 7 Py low and The trans - divicely ability of TT-bonding ligands knowages with the Proceede of lither ability to form metal ligand a bonds. 08.09-2021 Wed Ibuprofen The formula of Ibuprofen is 2-(4-isobutylphenyl) propionic acid. It is used to reduce fever and to retieve minor aches and poin from headaches, muscle aches, arthritis --- etc PAGAINE MAN

64 09-09-2021 Forensic scientists vely on four primary chemicals to reveal and collect finges print: Iodine, -Thic cyanoacrylate, silver nitrate and ninhydrin. These chemicals react to substances within the fingerprint, such as oil and sweat, making the print change color so analysis can see it better Applications of HSAB Rules 13.09 stabilisty of compounds (complemes: The complem AgT = would be more stable, "if Agt & I are either both hard or both soft on the otherhand the complex would be least stable 97 - AST 95 hard & I PS soft or rice versa. FRI-AGES is stable compound but ASF, doesnot. (S-S) (S+H) Agt "00 Re soft and 2" it combines with I "00, a gott base to form q stable complex, Ages (S-S), whereas of combination with Fron, ahand base forms no unitable compline AgE (S+H) En - co E 3- 95 cess stable compound but cof 3-more stable 14.09 Tue Preparation of Benzoic acid from Benzene: MgBr COOH 0 0 co2 Mg > 0 0 Febra Benzoic Bromo Phonyf-mg-Benzene aud benzene Bromble

33 The chemical formula common warne 31.03.2022 Cacon 1) chalk (marble) 2) Bleaching powder Caod, 3) vinegae CHI3COD H mor CHy 4) marsh gas 11-04-2022 oil-fat is an ester compound produced by the reation of Gebory licacids (Highfatty acids) and Gly Cerol - This process is called "Estenification". 12.04-2022 - The heaviest metal - Os The lightest metal - Li =) The most abundant metal - Al The least is metal - now tor Ra wed 13.04-2022 =) at & 2012 2 20 20 20 20 20 20 20 20 20 - 2x කියය ( යන් කා කිහැ 2 හේ කිය - සංවර්ග - ශිය 16.04.2022 Wan is an organic material consisting of a long they chain. These Include Simulated Caebon bonds & Vacious functioner groups - (1ef 2ª Alabols, Ketones, Aldohydes) 18-04-2022 =) ಮಾನವುದು ಅಯಾರು ಹೆಸಿನ ಮಾಡಬೇಕಾ ಹಾಂ- cy 10 es to 30 m drond as a co co co co co co co co ano - Fe =) avisa portour weggeson bolo charona 19.04-202 もほどういるの !! 21.04.20 "Invalgesited - medicino used to relieve the body aches : Ex: - Asprin, I bubrefen,

83 22.04.2022 Antipyratics Reducing feres, Analgesics : Reducing pain - Anti biotics Inhibiting germ - goowth -- Anti Septics : prevention of geen growth near burg 23.04.2021 cuts & wounds =) Planet more is red in colour due to it's suppace contains Iron oscide - Fejoz. 25.04 2012 "Soaps" are -formed from sodium or potassium salts of high fattyacids dissolved in water. 26.04.2012 Vitamin c is a water soluble vitamin found The in citrus and other fruits and regetables, also sold as a dietasy supplement and as a topical secum ingredient to treat melasma and 87.04-2022 wrinkless on the Face. reisel & method: - A visole reacts with HI to produce G +HE 136 O +CH, T =) what is in your cup? -N-CH3 0, OHO OOO H 30.04.2022 Stron on YOH -OH Tots "caffine CH3 citric Acid chlologenic Acid 6HCHO+UNH3 - 3 (CH) NG + 6H 0 02.05.2022 N ZCH, Hexamethylene Tetramene - Urinary anti-HCAT Ceptic 05-05-202 smelting is the procens 80% copper prepared. curston - ) cut so on Electrolysis copper is er mann reaction; - presified. 06 as. 06.05.2000 Gatter mann reaction;-Benzeve treated with HCN and HC in presence of lewisacia to bot m Benzaldelyde wis Acid jeno 07.05.2022 The compound the is called philosopher's Wool. Sat

