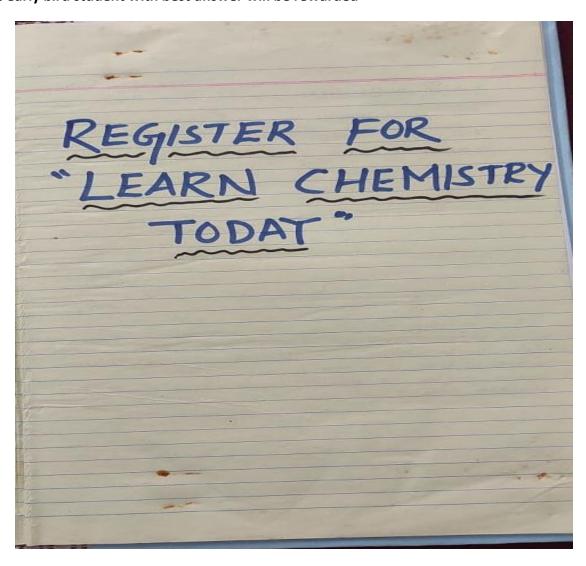
## NTR GOVT DEGREE COLLEGE FOR WOMEN

## **DEPARTMENT OF CHEMISTRY**

## **INNOVATIONS AND BEST PRACTICES BY THE DEPT -2020-2021**

# **Learn Chemistry Today**

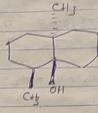
Everyday chemistry related knowledge will be written on the notice board by the faculty as "LEARN CHEMITRY TODAY". Every Monday one Chemistry question written on the board and the early bird student with best answer will be rewarded



# 2020-2021

Date: 01/02/2021 Monday

Geosmin :-



Geosmin is an Organic Compound with a distinct earthy flavor and aroma produced by Certain bacteria contributor to the strong

scent that occurs in the air when roin falls after a dry spul of weather

Date: 02/02/2021 Tues day

- · Acetyl Salicytic acid is commonly used as a pain killer
- . Iron is commonly used for making an electromagnet
- · Carbon dioxide (CO2) is responsible for flobal Warming.
- · Hatte is the Source of Common Salt
- · Methane is the main Constituent of coal gas.
- · Lithium-ion batteries necded to power electric cars use lithium carbonate or lithium hydroxide.

Date: 03/02/2021 Wednesday

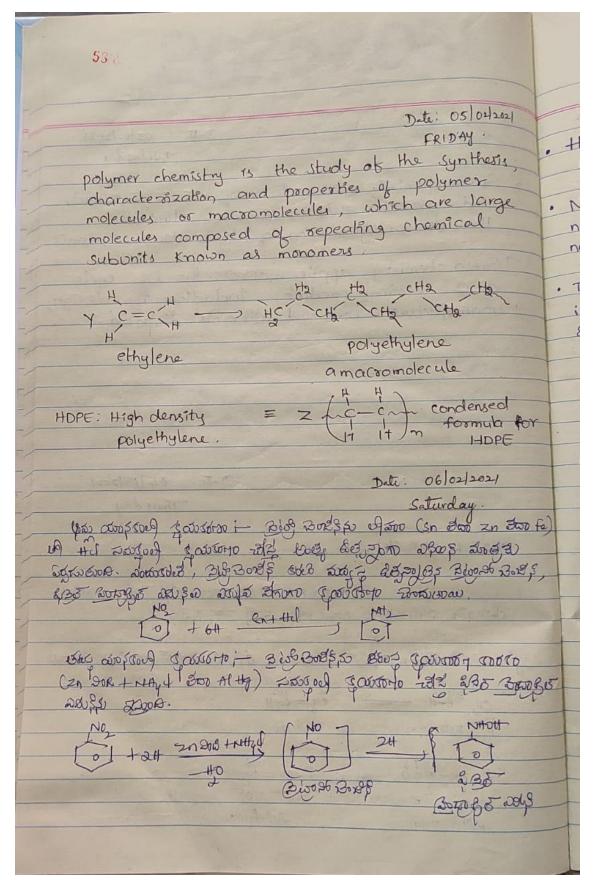
- Green chemistry is the design of chemical products and processes that reduce or eliminate the use or generation of hazardous substances.
- Thereen chemistry applies across the life cycle of a chemical product, including its design, manufacture, use and Ultimate disposal.

Date: 04/02/2021 Thurs day

धेनधे उत्तर्हित नेवित्तरीठः -

প্রাণ্ডিক ক্রিট ক্রিটের ক্রিট

खा- छोडा विविद्य, उन्हें हेर अन्नाहरूक, क्षेत्रहर क्षेत्रहरू के कार्य के कार्य



Hydrogen Bomb is based on the principle of Nuclear Fusion

Date: OS/02/2021 Monday.

- Nuclear fusion is a reaction in which two or more atomic nuclei are combined to form one or more different atomic nuclei and Subatomic particles.
- The difference in mass between the reactants and products is manifested as either the release or absorption of Energy.

Date: 09 102/2021

Grab a knife and slice into an Onion, and you'll quickly feel a Stinging Sensation and teams starting to flow. You're Suffering from the effects of a chemical to flow as 'lachrymatory factor', or propose thial-S-oxide Known as 'lachrymatory factor', or propose thial-S-oxide an airborne sulfur- containing organic chemical that is similar to tear gas. Compounds that make you cry similar to tear gas. Compounds that make you cry are known as lachrymators, from lacrima, the latin are known as lachrymators, from lacrima, the latin word for tears, when propare thial-S-oxide comes into Nord for tears, with the surface of the cye, it reacts with water to create an acid that Stimulates a nervous water to create an acid that Stimulates a nervous response, triggering tears to wash the irritant away

H 5=0

55 Date: 10/02/8021 Friday Wed. what's In your Cup CH3 CH3 OH citic aid : HO chlorogenic aid: Phenoly! 11/02/2021 Thursday Balunday Smelting!-\* 80% of Copper is Produced this way + Heat copper one strongly in a furnace with air copper + oxygen - > Copper + Sulphindioride \* Then use Electrolysis to Purify the copper of Expensive as needs lots of heat & Electricity.

13 02 2021. r 1205 21 Mars is red because it's Surface Contains iron Oxide (Fegos). gron oride in also known as rust. 15 2 21 monday. Examples of Catalysis: -The decomposition of kolos is accelerated Several times by the Presence of a small quantity of Mnoz. when granular mnog is used, at the end of the reaction it appeared to be amorphous. mno2 } 2Kc + 302. akclo3 17/2/2021 wed. what is an Element!? \* Element is a chemical substance Element is a simplest substance. be decomposed to a simpler substance Builtup from one type of atoms only. Cannot

18 2 2021, Thursday Hemoglobin is the Bron- Containing Oxygen-Ton -sport metalloprotein in the red blood colly of almost all vertebrates as well as the Hissung of some invertbrates. Hemoglobin in blood carnies oxygen from the lungs or snilly to the rest of the body. 19/2/2021 \* Nitration reaction: Bensene react with conc. HNO3 in the Presence of Hasoy to form Nitro Benzene. This reaction is Called Nitration reaction. En this reaction Nost group is Electrophile. 10 + conc. HNO3 Hasoq Nitro Benzene -> Formation of Electrophile: H2.804 +2HN03 -> 2HS04 + NO2 + H30 > Formation of Carbonium ion Entermediale: -- > Formation of Final Product! HS04 + H30 -> H2504+ H20.

58 22/02/2021 Asprine (ortho Acetyl Salisili and). structure :-Synthesiy! - Salisilie aid react with Acetic unhydin -de to form Asprine p -0-co-cH3 Asprine. 23/2/2021. Karat is basically a unit used to measure the Purity of gold. The higher the Karalage the Purer the gold. 23 02 2021. + which variety of glass is heat resistant? Ans: Pyrex glass. \* which Synthetic Ribre is known as Artificial silk! Ans: Rayon \* which fertilizer has more nitrogen content? Ans! Urea.

24 02 2021

- => Silica is used in the Preparation of different types of Glasses.
- > Silver metal that is Prasent in Photo films
- > Sodium thio Sulphate Chemical used as a fixer in Photography.
- -> Acetyl Salicytic aid is Commonly used as a Pain Killer.

25/08/2024.

Uses of chromatography! Pharmaceutical Company: Determine amount of
Each Chemical found in new Product.

Hospital: - Detect blood (on) alcohol levels in a Patienti blood stream -

Low Enforcement! To Compare a Sample found at a Come scene to Samples from Suspects.

- Reinforced glass is used in bullet Proof Screens.
- \* Red Phosphorus is Used in Preparing match Sticky.
- \* . Cooker glass can cut off ultraviolet Pays.

はるか- 南部 ではい! 27/02/2021
क्रिक्ट के के के कि हैं। के कि के के कि के कि के कि
अगरिकार कार्यात करहें। संविध्य करिका प्रविध्य किस रिका
పేర్పైని చర్మనే ఓర్ప్లైఫ్ట్వీస్ చర్మ కంచురు.
O X + R-X dry Ether O R + 2 Hax.
EN! O + CH3-CH2-B8 + 2Na dry Ether of + 2Na Br  Bromo Benzene.  Ethyl Benzene.
1 + CH2-CH2-B8 +2Na dry Ether 0 + 2Na 68
Ent 0 Ethyl Benzens.
Dal: - 2 3 21
v - 10 1 1 - 10 1- 1
* 820 2 24 2000 200 200 2000 2000 2000 20
(೨) ಸಂಭಾರವಾರ ಕಡ್ಡ ಕ್ರಾಪ್ ಕ್ರವ್ಟ್ ಕ್ರಾಪ್ ಕ್ರಾಪ್ ಕ್ರಾಪ್ ಕ್ರಾಪ್ ಕ್ರಾಪ್ ಕ್ರವ್ಟ್ ಕ್ರಾಪ್ ಕ್ರವ್ ಕ್ರಾಪ್ ಕ್ರವ್ ಕ್ರಾಪ್ ಕ್ರವ್ಟ್ ಕ್ರ
- U. Colomode - ETAJI BABITAGE
1 CILLON TELLO
Benzene- methyl Benzene.
के प्रकार के कार्य क
NO 62 625 5 5000 3 4000
acserow" 600000.
దాడుకాలు" అందురు. * రౌడ్ట్ నియమం చంబు ధనాత్మక విచలనాట చూపిస్తున్న చోవాకకాలస్
\$ 3° E 900000 7000 FT
& BIATOSTO :- 1 . Acctone + Benzene.
Acetone + Ethanol , H20 + Ethanol.
the temperature of the temperatu
क्षेत्रक प्रियोद्धे लोग वर्षण्य तावका व्यवक्ष
# To passaso poore work order order of the
a proposition of the strong
Acetone + Aniline, Morofount di etrosi Acetone + Aniline, Morofount di etrosi Acetone + Renzene, H20 + HC);
chloroform + Renzere, H20+HC13

డిగ్రే - ఫీట్ఫీగ్ చెర్వి:-	27/02/2021
जिल्हा स्थातिक कि स्थापित स्थापित	್ರ ಪರಿತ ಪ್ರಕರಿ ತುತ್ತನ್ನು
ವಾಗೆಯಂ ಆಗಿವಾಯ್ - ರಕ್ಕು ಆರಿಪಿಯಾಗಿವೆ	उट्टा पर्देशिय किसी हैं
3652 3613 665-668 2004	හිංත්රා,
X dry sther	Railay
CO +X-X - QNA	· cH2 CH3
Ent OBY + CH3-CH2-B8 +2N Bromo Benzene.	a dry ther of + 2 mags
Bromo Benzene.	Ethyl benzene.
The second secon	The state of the s
V - POCCOS (NO STORES ON SUPERIOR OF STORES	Dat: - 2/3/21
* 1040 - + - 15 TOES :-	0 5.
the state of the state of the	ක්රික්කරේ ක්රිම්ර හිගරි
යන කත්තර්ගත්ව ක්ක වැඩි වන්න	अभी केलिको क्रिकान्टर
AN ASSET BOOK POS.	
Fr - Fthyl chloride - Ethyl Bron	mide
11 com so theptane	AND THE PERSON NAMED IN COLUMN TO PERSON NAM
silicon getta ch	
Benzene- methyl Benze	Date: 3/3/21
gent dia to all	Salari (D)
म एक स्थित वर्ष कर्ष असे	කාස් ක්යෑලාණ "හත්ත්ුල්ර
प्रवर्ध ( 2 व व व व व व व व व व व व व व व व व व	Colorina Indian
దాడులాలో అందురు.	Date: -4 3 21
ac వర్నాట అందులు ధర్గాత్మ్య వి ♦ రెడ్ట్ నియమం ఫంబు ధర్గాత్మ్య వి	प्रवास्त्रक रिर्मिक्षण अन्तर्भिक
\$ 80 5 Para 200 2000 11 C	
Acetone + Ethanol ,	Acetone + Benzero.
Acetone + Ethanol)	H20 + Ethanof.
HIE!	2016 - 3101
202	क्रिक प्राच्या विकार विकार
5 100 60 1	chloroform + diethyl ether
sin Love + trus	C Moro tourit
chloroform + Renzene,	H20+HC/4
cwowsour, 4	

# Dt:- 6 3 21

\* awor813 (M):-न निष्ठ या गणिया र १८८ में या मार्ग क्रिक्ट मार्ग मार् 立のであるかりが "Bion8は" bolorの. w= かながり (8)

GMW = otes To So Stayes V= 506250 40. 50 'ml' ot: 8 3 21

\* NOOZ OB(N):-

किर क्षेत्रक कर्य १००० इहर क्षेत्र क्षेत्रक क्षि ತುಲ್ಕಾಂತ ಭಾರಾಲ ಸಂಭ್ಯಮ ಹಾರಾಕಿಂಟಿ (n) ಅಂದುಕು.

 $N = \frac{\omega}{6EM} \times \frac{1000}{1000} = \frac{\omega}{6EM} = \frac{\omega}{1000} = \frac{\omega}{1000}$ 1 = 5837 po. 50 mi

Dt:- 9|3|21

\* Zwere's (m):-

දිග දිග් ලාකු ස්නස්ගේ ජ88 නුඩු සේනජා ඩිගර්ව ನಿಂಭ್ಯಸ ಮುಣಲಟಿ ಕಾನುರು.

m = w x 1000

w= 5f26 4780 W= 250 4060

m = P x (1000)

here, P= DESTS ( Work) (1007) = D(38) 4000.

Dt:- 10/3/21



