

### CHEMISTRY

## Class - 11, Unit-I

1. Pure Substance: Fixed Composition (Cu, Ag)



Law of conservation of Mass-Lets(Lavoiser)
Law of definite proportion-Pray(Proust)
Law of Multiple proportions-Dear(Dalton)

2. Balance a chemical equation



Formula, C atom, H atom, O atom and Verify

# Class - 11, Unit-II

1. Electronic Configuration of atoms



spdfghik

2(a). Atomic Spectra



Ronald McDonald Invented Very
Unusual & eXcellent Gherkins
In the order of increasing frequency or decreasing
wavelength of electromagnetic waves
Radio waves, Microwavess, Infrared, Visible
light, Ultraviolet, X-Rays, Gamma Rays

2(b). Atomic Spectra



Leave By Prince Before Prison

Lyman Balmer Paschen Brackett Pfund

# Class - 11, Unit-III

**Periodic Table** 

1. Periods 1



Н, Не

2. Period 2



Li Be B C N O F Ne

3. Period 3



4. Period 4

Kings Can Scream Till Vast Crowds
Moan. Fear Conquers Neither
Courageous Zealous Gallant Gents.
As Seen Brown Karate

K Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Ga Ge As Se Br Kr

5. Period 5

Robes Strip Yobs. Zurich Noble
Mortals Track Ruddy Rhubarb. Paid
Silver Candid

Rb Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd In Sn Sb Te I Xe

6(a). d-Block: Elements Period-4

Scary Tiny Vicious Creatures Mean
Females Come Nightly to Club Z
Sc Ti V Cr Mn Fe Co Ni Cu Zn

6(b). d-Block: Elements Period-5

Yes Sir, Nob. Most Technicians Rub
Rod's Pale Silver Cadillac
Y Zr Nb Mo Tc Ru Rh Pd Ag Cd

6(c). d-Block: Elements Period-6

Laxman's Half Taken, Wasim
Reached Out Iron Plate Audibly
(for) Honey

La ... Hf Ta W Re Os Ir Pt Au Hg

6(d). d-Block: Elements Period-7

Aktually, R D Sharma Book Has

Math Difficult Sums

Ac Rf Db Sg Bh Hs Mt Ds

7. Group-1: The alkali metals



H Li Na K Rb Cs Fr

## 8. Group-2: The alkaline earth metals

Bearded Muggers Came Straight
Back Rapidly.

Be Mg Ca Sr Ba Ra

### 9(a). P-Block Elements (Group-13)



Bears Always Give Indians Trouble

B Al Ga In Tl

## 9(b). P-Block Elements (Group-14)



Can Silly Germans Snatch Lead

C Si Ge Sn(tin) Pb(lead)

## 9(c). P-Block Elements (Group-15)



New Popes Assign Subordinate Bishops.

N P As Sb Bi

### 9(d). P-Block Elements (Group-16)



Oversized Sailors Sell and Tell about Polo cologne

O S Se Te Po

# 9(e). P-Block Elements (Group-17)



Fleeing Chlorine-layers & Bromine, I'd Astonish

F Cl Br I At

### 9(f). P-Block Elements (Noble gases)



He Never Arrived; Karen eXited with Ron

He Ne Ar Kr Xe Rn

# 10. Lanthanides series



Little Cute People Need Plenty Sex Every Given Time Despite Having Enough Through Young Love and Currently Parties Never Provide Sexy English Girls That Drink Heavily, Even Though You Look. (La) Ce Pr Nd Pm Sm Eu Gd Tb Dy Ho Er Tm Yb Lu

### 11. Actinides series



Three Planets: Uranus, Neptune, and Pluto. Amy Cured Berkeley, California. Einstein and Fermi Made NobleLaws.

(Ac) Th Pa U Np Pu Am Cm Bk Cf Es Fm Md No Lr

# 12. Genesis of Periodic Classification



London and Turkey Donates Lots of Nuts to Peru, Libya and Malaysia but denied to Mexico, Poland, Liberia and Maldives

Laws of Trieds - Dobereiner
Laws of Octaves - Newland
Periodic Law - Mendeleev
Modern Periodic Law - Moseley

# 13. Electronegativity



First off, cloud now. Bring in some caps, hats and pants

Fluorine > Oxygen > Chlorine > Nitrogen > Bromine > Iodine > Sulfur > Carbon > Hydrogen ≥ Phosphorus

Pronounce: FOCIN BrIS CHP.[20]

(F)irst (O)ff, (Cl)oud (N)ow, (Br)ing (I)n (S)ome (C) aps, (H)ats, and (P)ants

# Class - 11, Unit-IV

### 1. Hydrogen is FON



### **FUN**

The elements that form hydrogen bonds when bonded to hydrogen are **F**luorine **O**xygen **N**itrogen.

### 2.



### **DP IS NICE**

**D**ifference in electronegativity

**P**olarity to longer bond length and smaller bond angle

If

No net polarity

Individual dipole

**C**ancel

**E**achother

# Class - 11, Unit-V

1. Boyle's Law (Pressure – Volume relationship)



### BVF

At constant temperature, the pressure of a fixed amount of gas varies inversely with its volume.

Charle's Law (Temperature – Volume relationship)



### **CVT**

At constant pressure, the volume of a fixed mass of a gas is directly proportional to the absolute temperature (P = Constant)

3. Gay Lussac's Law (Pressure – Temperature relationship)



### **GPT**

At constant volume, pressure of a fixed amount of a gas varies directly with temperature.

4. Avogadro Law :(Volume – Amount relationship)



### **AVN**

Equal volume of all gases under the same conditions of temperature and pressure contain equal number of molecules.

5. Intermolecular Forces



# I Can't Handle Dirty Vans

Ionic, Covalent, Hydrogen, Dipole, Van der Waals – strength of bonds and intermolecular forces from strong to weak.

6. Dalton's Law of Partial Pressure



#### PTV

Total pressure exerted by the mixture of nonreactive gases is equal to sum of the partial pressures of individual gases.  $P_{total} = p_1 + p_2 + p_3$ .....(At constant T,V)

# Class - 11, Unit-VI

1. Types of System



### OCI

Open, Close, Isolate

2. Enthalpy of Atomization



Be My Guest Please

**B** (a bond) **M** (1) GP >

Break 1 Mole bond in Gas Phase

3. Lattice Enthalpy



## Made In China Dolls and Ice

1 Mole of Ionic Compound Dissociates in to Ions > **MICDI** 

### Class - 11, Unit-VII

1. Effect of Concentration Change



Class Rooms gives Ideal Final Result

Concentration of Reactant Increases Forward Reactiona **CRIFR** 

2. Effect of Pressure Change



Nuclear Power Plant is Issue For

**R**eview

if delta N Positive, Pressure Increases Forward Reaction **NPPIFR** 

3. Effect of Temperature Change



TIP for Final Exam

Temperature Increases Product Formation for Exothermic **TIPFE** 

4. Lewis concept



## **LeeLAA**

Lone pair Accepter is Acid

5. Lewis concept



### **B**a**D**aL

Base is Donar of Lone pair

### 6. Acids and Bases



### **BAAD**

Bases accept H+, acids donate H+

## 7. Homogeneous Equilibria



## **RPSP**

Reactant and Product in Same Phase

# 8. Hetrogeneous Equilibria



# **RPDP**

Reactant and Product in Different Phase

# Class - 11, Unit-VIII

#### 1. Red Oxrestaurant



An Orange Owl

addition of oxygen is oxidation. removal of oxygen is reduction.

# 2. Electrons



#### Oil RiG

Oxidation Is Losing (electrons), Reduction Is Gaining (electrons).

3.



### Leo says **G**er

Loss of electron is oxidation, Gain of electron is reduction

4.



### OAN

Left-side Oxidation Anode attracts Negative ions

#### 5. Cations are Positive



### Cats have paws

Ca+ion- The letter t in cation looks like a + (plus) sign.

An anion is a negative ion. (Anegativeion⇒ Anion)

### 6.



### An Ox

The words oxidation and anode, both begin with vovels.

Also, both reduction and cathode begin with consonants

7.



# An Oil Rig Cat

At the ANode, Oxidation Involves Loss of electrons.

Reduction Involves Gaining electrons at the CAThode

#### 8. Electrons flow From Anode To Cathode



### Fat Cat

LOAN: Left side, Oxidation, Anode, Negative

## 9. soak a jerk



### SOAC a GERC

Strongest Oxidizing Agent at the Cathode Gains Electrons and is Reduced at the Cathode.

### 10. Activity Series of Metals



Please Stop Calling Me A Cute Zebra I Like Her Call Smart Goat. Kangaroos Naturally Muck About in Zoos For Purple Hippos Chasing Aardvarks.

Calcium > Magnesium > Aluminium > (Carbon)\* > Zinc > Iron > Lead > Hydrogen > Copper > Silver > Gold). OR

(K > Na > Mg > Al > Zn > Cr > Fe > Pd > H > Cu > Au)

# Class - 11, Unit-IX

### 1. Alkali Metals



Trends in Atomic and physical properties

H-Hydrogen-His

Li-Lithium-**L**ast

Na-Sodium-Son

K-Potassium-Plays

Rb-Rubidium-Rugby

Cs-Caesium-Cricket

Fr-Francium-Football

2. Atomic/Ionic radii, metallic, reducing, characteristics (group)



Li <Na <K <Rb <Cs

 Ionisation Energy, melting/boiling points, reactivity with Hydrogen/ Halogens, Enthalpy



Li >Na >K >Rb >Cs

### 4. Methods



Washing soda, Calgon's, Ion-exchange, Synthetic resin methods. WCIS

### 5. Difference



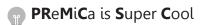
Temporary hardness removed by **BO**iling and **C**lark's method.

# 6. Types of Hydride



Ionic, Covalent, Metallic ICM

### 7. Permanent Hardness



Due to **PR**esence of **M**g and **Ca** in the form of **S**ulphate and **C**hloride.

8.

# PReMa CAme for Health Check

Due to Presence of Magnesium and Calcium Hydrogen Carbonate.

# 9. Preparation of Hydrogen



1<sup>st</sup> heart sound

Lane, Uyeno and Bosch process LUB

# Class - 11, Unit-X

1. Group 2 Elements (Alkaline Earth Metals)



Sweet SOHA

Small Size, Oxide and Hydroxide are Amphoteric

# Class - 11, Unit-XI

1. Producer Gas



MCON

Mixture of CO and Nitrogen

2. Water Gas



MCOH

Mixture of CO and Hydrogen

3. Important Trends and Anomalous Behavior of Carbon



SS, HE HIED OUF MBSC

due to Small Size, High Electronegativity, High Ionisation Enthalpy, d-Orbitals Unavailability, Forms Multiple Bonds, Shows Catenation.

4. Allotropes of Carbon



**DCF** 

Diamond, Carbon, Fullerenes

5. Reactivity With Particular Alkali Metal Follows The Order:



Floor Cleaner Broke? I Asked

 $F_2 > Cl_2 > Br_2 > I_2$ 

6. Hydration Enthalpy



Like Natural Killer Redblood Cells

 $Li^+>Na^+>K+>Rb^+>Cs^+$ 

7. Basic Character / Solubility of Alkaline



Because Megha Can Survive Badly

 $Be(OH)_2 < Mg(OH)_2 < Ca(OH)_2 < Sr(OH)_2 < Ba(OH)_2$ 

8. Solubility of Alkaline Earth Metal Sulphates and Carbonates



Beamish Madam Call Street (dogs)
Bad

BeSO<sub>4</sub>>MgSO<sub>4</sub>>CaSO<sub>4</sub>>SrSO<sub>4</sub>>BaSO<sub>4</sub> BeCO<sub>2</sub>>MgCO<sub>2</sub>>CaCO<sub>2</sub>>SrCO<sub>2</sub>>BaCO<sub>3</sub>

9. Chemical Properties: Lewis Acid Character Decreases Down the Group



**B.A G**raduated **I**ndependently

 $BX_2 > AlX_2 > GaX_2 > InX_2$ 

10. Electronegativity



Cat Sings Gentle Songs in Public

C<Si=Ge=Sn<Pb

11. Density



Cadbury Silk Gems Snickers Perkbite

C>Si<Ge<Sn<Pb

12. Acidic Character



Chand Singh Great Son (of) Punjab

CO<sub>2</sub><SiO<sub>2</sub><GeO<sub>2</sub><SnO<sub>2</sub><PbO<sub>2</sub>

13. Catenation



Curious Sister Gets Sneezing (on)
Pub

C>>Si>Ge≈Sn>>Pb

14. Dicarboxylic Acids



Oh My, Such Good Apple Pie., Sweet As Sugar

The sequence of dicarboxylic acids can be remembered with following

Oxalic, Malonic, Succinic, Glutaric, Adipic, Pimelic, Suberic, Azelaic, Sebacic

## 15. To Learn Order of Bond Enthalpy



To Do Sum

C-C Triple bond > Double bond > Single bond

### 16. Nomenclature Carboxylic Atcids



Frogs Are Polite, Being Very

**C**ourteous

Common names of homogeneous aliphatic carboxylic acids, Formic, Acetic, Propionic, Butyric, Valeric, Caproic

## 17. To Learn Bond Length



See Duet Trial

-C-C Single bond > Double bond > Triple bond

18. Newmann Projection for Staggered and Eclipsed Conformations of N-Butane After Every 60 Degree Rotation.



Fish-Giraffe-Elephant-Ant-Eagle-

Goat

Fully eclipsed-Gauche-Eclipsed-Anti-Eclipsed-Gauche

# 19. Conformations of Cyclohexane As Per Stability And Energy



Cat Twigs But Horse-Clubs

Chair>Twist-boat>Boat>Half- Chair

# 20. Order of Reactivity of Addition of Halogens to Alkenes



Flaming Clear Bright Identity

Fluorine > Chlorine > Bromine > Iodine

# 21. Aromatic Compounds m-Directing Groups



Queen Elizabeth Second's Navy Commands, Controls,

### **C**ommunicates

Quaternary amino Ester Sulfonic acid Nitro Carbonyl Carboxyl Cyano

(-NR<sup>+</sup>)(-COOR)(-SO<sub>3</sub>H)(-NO<sup>2</sup>)(-CHO)(-COOH) (-CN)

# 22. O, P-Directing Groups



## **AHA AHA P**

Alkyl Halogen Alkoxyl Amino Hydroxyl Amide Phenyl. (R), (X), (OR), (-NH $_2$ ,-NHR,-NR $_2$ ), (OH) (NHCOR), (C $_6$ H $_5$ )

Note: -NH<sub>2</sub>,-NHR and NR<sub>2</sub> are para directing groups but not -NR<sub>3</sub>

# Class - 11, Unit-XII

# 1. Type of Organic Reaction



ShAER (Lion)

**S**ubstitution, **A**ddition, **E**limination, **R**earrangement

# 2. Method of Purification of Organic Compound



Some CD of DC

Sublimation, Crystallisation, Distillation, Differential Extraction, Chromatography

# Class - 11, Unit-XIII

1. o, p-Directing Groups



**AHA AHA P** 

Alkyl, Halogen, Alkoxyl, Amino, Hydroxyl, Amide, Phenyl

# 2. Aromatic Compounds m-Directing Groups



Queen Elizabeth Second's Navy Commands, Controls,

**C**ommunicates

Quaternary, amino, Ester, Sulfonic, acid, Nitro, Carbonyl, Carboxyl, Cyano

### 3. Isomerism



One More Time

Ortho, Meta, Para

# 4. Aromaticity



A Police Car Drove near High Court

Polarity, Complete Delocalisation, Huckel Rule

### Class - 11, Unit-XIV

# 1. Principle of Green Chemistry PRODUCTIVELY



**Prevent** waste, **Renewable** material, **O**mit derivatization steps, **D**egradable chemical products, **U**se safe synthetic methods, **C**atalytic reagents, **T**emperature pressure ambient,

In process monitoring, **V**ery few oxilary substances, **E**-factor (maximisefeed in product), **L**ow toxicity of chemical products, **Y**es it is safe.

# Class - 12, Unit-I

1. Cubic



Blend Zinc in CAN

ZnS, Cu, Ag, NaCl

2. Tetragonal



White Sink of Ti & Ca

White Sn, TiO<sub>2</sub> & CaSO<sub>4</sub>

3. Orthorhombic



Bake (the) Good Rusk

BaSO<sub>4</sub>, Ga, Rhombic sulphur, KNO<sub>3</sub>

4. Rhombohedral



Bindu went Australia From Calcutta

Bi, As, CaCO<sub>3</sub>

5. Hexagonal



**CD**s of **G**ranny **a**nd **X**enon

CdS, Graphite, ZnO

# 6. Triclinic



Dichromo Cup of Boric

K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, CuSO<sub>4</sub>.5H<sub>2</sub>O, H<sub>3</sub>BO<sub>3</sub>

# Class - 12, Unit-II

### 1. Oder



Osmotic pressure, Depression in freezing point, **E**levation of boiling point, Relative lowering of vapour pressure

### Class - 12, Unit-III

### 1. Electrode Potential



Little Kitty Canadian Star Made All Zebra In CIDCO Nick Town Like His Car Come My Brother Play Golf Li, K, Ca, Na (Sodium), Mg, Al, Zn, Fe (Iron), Cd, Ni, Sn (Tin), Pb (Lead), H, Cu<sup>+2</sup>, Cu<sup>+1</sup>, Hg, Br, Pt, Au

# 2. Spectrochemical



I Brought Some Thermal Cloth, Nylon Net From Office, Water Collect Near Cyanomethane Place, Among Each Big Phenyl, Note Proper Concentration **C**ompletely

I-< Br-< S<sub>2</sub>-< SCN-< Cl-< NO<sub>3</sub>-< N<sub>3</sub>-< F-<  $OH^- < H_2O \approx C_2O_4^-$  (oxalate) < NCS- < CH\_2CN < py (pyridine) < NH<sub>2</sub> < en (ethylenediamine) < bpy (2,2'-bipydiridyl) < phen (1,10-phenanthroline) <  $NO_2 - < PPh_3 < CN - \approx CO$ 

## Electrode



Red Cat

**RE**Duction at **CAT**hode

#### **Electrochemical series**



Please Stop Calling Me A Cute Zebra I Like Her Call Smart Goat (Potassium>Sodium>Calcium > Magnesium >Aluminium > (Carbon)\*>Zinc>Iron>Lead> Hydrogen>Copper>Silver>Gold)

### **Electrochemical series**



**Kangaroos Naturally Muck About** in Zoos For Purple Hippos Chasing **Aardvarks** 

(K > Na > Mg > Al > Zn > Cr > Fe > Pd > H > Cu

**Electrochemical: Device converting chemical** energy to electrical energy



# Leo says Ger

Loss of electron is oxidation, Gain of electron is reduction.

**Electrochemical**: Device converting chemical energy to electrical energy



"OIL RIG"

Oxidation Is Losing (electrons), Reduction Is Gaining (electrons).

**Electrochemical: Device converting chemical** energy to electrical energy (c)



### Daniel cell

Cathode-Copper, Anode-Zinc--> DaCCu AZit

**Batteries** 9.



### NEZI

In dry cell **NE**gative plate is **ZI**nc plate

### Class - 12, Unit-IV

**Collision Theory** 



# **RCFSC**

Rate depends on Collision Frequency and Effective Collision

2. Order of a Reaction



**SPCO** 

Sum of Power of Concentration is Order

3. Factors Influencing



**CTPSA** 

Concentration, Temperature, Presence of catalyst, Surface area, Activation energy

# Class - 12, Unit-VI

1. LFMH



**Looking For MaHarashtra** 

**L**eaching, **F**roath floatation process, **M**agnetic sepration, **H**ydraulic washing

2. RC



**Remote Control** 

Roasting, Calcination

3. Calcination



Calcination is Absence of Air

CAA

4. On Earth's crust



Oh See Al Fee Cah Mig Nack

Oxygen, Silicon, Aluminium, Iron(Fe), Calcium, Magnesium, Sodium (Na),Potassium(K)

5. Ore of Fe



HeMa LeSil

Haematile, Magnetite, Limonite, Siderite, Iron pyrites

6. Ore of Cu



**RAM** 

Ruby copper/cuprite, Azurite, Malachite

7. Ore of Zn



ZiCa Win

Zinc blende and Zincite, Calamine, Willemite

8. Ore of Al



**ABCD FM** 

Aluminum, Bauxite, Cryolite and Corundum, Diaspore, Falsepar, Mica

# Class - 12, Unit-VII

1. O S Se Te Po Lv



Old Seema (Seema aunty) Seems
Too Powerful Lately

Oxygen, Sulfur, Selenium, Tellurium, Polonium

2. Reactivity with Halogen



First Class Black Ice

**FCBI** F->Cl->Br->l-

3. (a) Electronic configuration except He



n 2 ka p 4

3. (b) Electronic configuration except He



n 2 ka p 5

3. (c) Electronic configuration



except He

n 2 ka p 6

# Class - 12, Unit-VIII

1. Chemical Property



Mozilla Firefox CFA (cafe)



Magnetic properties, Formation of coloured ion, Formation of complex ion, Catalytic properties, Forms interstitial compound, Alloy formation

## Class - 12, Unit-IX

1. Double salt



DC's ID; Day Care's ID

Dissociate Completely in Ions when Dissolve

2. Complex Compound



**DND** in IDea

Do Not Dissociate in Ions when Dissolved

**3.** TSTO



**Top Secrete Task Officer** 

Tetrahedral, **S**quare planer, **T**rigonal pyramidal, **O**ctahedral

4. MCBPS



Mr. Chetan Bhagat's PSC

Metal-Carbon Bond have Pi and Sigma Character.

# Class - 12, Unit-X

1. CICFDD



**Can I Come For Demand Draft** 

Chlorofo<mark>rm, Idofo</mark>rm, Carbon tetra chloride, Freons, DDT, Dichloromethene

2. AOS



**Apple Online Store** 

Achiral->Objects are Superimposable

3. CONS



**Come ON Sia** 

Chiral-Objects are Non Superimposable

**4. PHMTOM** 



# Please Help Me, TOM

Para have **H**igh **M**.p. **T**han **O**rtho and **M**eta

# Class - 12, Unit-XI

1. MDTP



My Dream Trip to Paris

Mono, Di, Tri, Polyhydric

2. Preparation of Alcohols



ACC. to GuRu

from Alkenes, Carbonyl Compounds and Grignard Reagent

3. Preparation of Ether



**DAWS** 

by **D**ehydration of **A**lcohols and **W**illiamson  $\mathbf{S}$ ynthesis

# Class - 12, Unit-XII

1. C.properties of Aldehydes and Ketones



### **NA RO TFACHR**

Nucleophilic Addition, Reduction, Oxidation, Tollen's, Fehling's, Alpha hydrogen, Cannizzaro, Haloform Reaction

2. The sequence of acidic strengths in dicarboxylic acids



Oh My, Such Good Apple Pie, Sweet As Sugar

Oxalic, Malonic, Succinic, Glutaric, Adipic, Pimelic, Suberic, Azelaic, Sebacic

3. B.P. higher than



KAA

Ketones, Aldehydes and Alcohols

4. Common names of homogeneous aliphatic carboxylic acids



Frogs Are Polite, Being Very Courteous

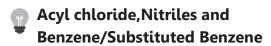
Formic, Acetic, Propionic, Butyric, Valeric, Caproic

5. Preparation of Aldehyde



from Acyl chloride, Stephen, Etard and Gatterman-Koch reactions

6. Preparation of Ketones



American National Bank/A New Sweet Baby

7. Preparation of Carboxylic acid PAAAN AGRA AE( Paan Agra Ae)

Primary Alcohol, Aldehydes, Alkylbenzene, Nitrile, Amide, Grignard Reagent, Acylhallides, Anhydrides and Ester

# Class - 12, Unit-XIII

1. Preparation



Reduction of Nirto compound, Amides, Nitriles, Ammonolysis of Alkyl halides, Gabriel phthalmide synthesis, Hoffman bromide degradation

2. Classification



Ammonia-Primary-Secondary-Tertiary

3. Chemical properties Small Group of Class Room

Sandmeyer, Gattermann, Coupling Reaction

4. Order of stability of ions



**PST** 

Primary, Secondary, Tertiary

5. Chemical reaction



Basic Character, Electrophilic Substitution, Carbylamine Reaction, With Nitrous acid

# Class - 12, Unit-XIV

**Carbohydrates** 



Monosaccharides, Disaccharides and **P**olysaccharides

**Carbohydrates** 



Optically Active Polyhydroxy Aldehyde

3. Carbohydrates



Optically Active Polyhydroxy Ketone

4. Proteins



Neutral, Basic, Acidic

5. Vitamins



Fat and Water Soluble

6. Nucleic Acids



**MaRT** 

Types of RNA--> $\mathbf{m}$ ,  $\mathbf{t}$  and  $\mathbf{r}$  RNA

7. Vitamin B Classification



B1-Thiamine

B2-Riboflavin

B3-Niacin

B5-Pantothenic acid

**B6-Pyridoxine** 

B7-Biotin

B9-Folic acid

B12-Cobalamin

### 8. Vitamin Deficiencies



# He Steals the Rickshaw at Night

(**D**ark) **S**ky

Vitamin K- Haemorrhage

Vitamin E- Sterility

Vitamin D-Rickets

Vitamin A-Night Blindness

Vitamin C-Scurvy

### **Deficiency of Vitamin B**



# Beri Cracks (floor) Playing (with) **P**aPAn

B1-Beri beri

B2-Cracks in lips

B3-Pellagra

B5-Parsthesia

B6-Anemia(Microcytic)

B9-Anemia(Macrocytic)

# 10. Antihistamine Drugs



Difriend hydramind, Brom friend of mine, Chlor friend of mine, Promise Me Magazine, Shirt jean, Turn off in dine

Diphenyl, Brompheniramine, Chlorpheniramine, Promethazine, Cetirizine, Terfenadine

# Class - 12, Unit-XV

### 1. NSSP



# Non Stop Songs Punjabi

Natural, Semi-synthetic and Synthetic Polymer

### 2. Copolymerziation



**BSC** 

Butadiene-Styrene Complex

## 3. NSR



# **North South Road**

Natural and Synthetic Rubber

## **Molecular Mass**



Chemical and Physical Method

# 5. Preparation NHA

**CPM** 





**N**ylon 6,6 --by **H**examethylenediamine and **A**dipic

### 6. BTP



### **Bill to Print**

Bakelite is Thermosetting Plastic

# Class - 12, Unit-XVI

# Medicines **PAA**



on the basis of Pharmalogical effect->ex: Analgesics and Antiseptic

# 2. Therapeutic



### **AANAA**

Antacids, Antihistamines, Neurologically active drugs, Antimicrobials, Antifertility drugs

### **Antacids**



# **ARC**

Antacids->ex: Ranitidine and Cimetidine

# **Antihistamines**



### NTA

Neurologically active drugs--Tranquilizers and **A**nalgesics

# 5. Tranquilizers



**TIP** 

Tranquilizers->ex. Iproniazed and Phenelzine

# 6. Analgesics



ANN

**A**nalgesic-**N**on-narcotic or non-addictive and **N**arcotic

# 7. Nervous system



**NAP** 

**N**on-narcotic or non-addictive-->ex: **A**spirin and **P**aracetamo

# 8. Antimicrobials



**AAAD** 

**A**ntimicrobials-**A**ntibiotics, **A**ntiseptics and **D**isinfectants

# 9. Antifertility Drugs



ANE

Norethindrone and Ethynylestradiol

# 10. ACND



**Alternate Contact Number of** 

# **David**

Anionic, Cationic, Non-ionic Detergent

