CHEMISTRY IN EVERYDAY LIFE

CLASSIFICATION OF DRUGS

BASED ON PHARMACOLOGICAL EFFECT

This classification provides range of drugs available for a particular type of problem.

BASED ON DRUG ACTION

which act on a particular triochemical process are kept under one class.

BASED ON CHEMICAL STRUCTURE

Drugs having common structural features are grouped together in one class.

BASED ON MOLECULAR TARGET

Based on the interaction with biomolecules such as lipids, proteins, carbohydrates & Nucleic acids.

CLEANING SOAPS

SOAPS

Sodium or potassium salts of long chain of fatty acids like Stearic acid, olic acid

TYPES OF SOAPS

(a) Toilet Soaps
(b) Floating Soaps
(c) Medicated Soaps
(d) Showing Soaps
(e) Transparent Soaps
(f) Laundary Soaps

FOOD ENHANCING

- **ARTIFICAL SWEETENING AGENTS:** Natural Sweeteners (Sucrose) artificial Sweeteners (Arpartane)
- **FOOD PRESERVATIVES:** Prevent Spoilage of food due to microbial growth. (Table Salt, Sugar)

CHEMICALS IN FOOD

The chemicals, Synthetic or Natural substances added to food preparation for different purposes are known as food additives.

PURPOSE

- For thin preservation
- Enhancing their appeal
- Adding Nutritive value

SYNTHETIC DETEGENTS

Sodium salts of alkyl benzene. Sulphonic Acids

Three types of detergents:
- Anionic detergents
- Cationic detergents
- Non ionic detergents

CLEANING ACTION OF DETERGENTS

The cleaning action of detergents are some as that of soaps.

ANTACIDS

Substances that Neutralize the excess the & raise PH in Stomach.
Ex: Ranitidine

ANTITRISTAMINES

Drugs which diminish the main action of Instamine. (Present the allergic reactions) Also known as anti-allergic drugs.
Ex: Diplenhytramine hydrochloride

THERAPEUTIC ACTION OF DRUGS

ANTIFERILITY DURGS

Birth control pills (Northindrone)

NEUTROLOGICALLY ACTIVE DRUGS

Tranquilizers: Chemicals used for treatment of stress & in mild or even Severe mental diseases.
Ex: Iproniazid
Analgeries: Reduce pair without causing impoairment of consciousness, mental confusion or paralysis of nervous system.

CLASSIFIED IN TWO TYPES:
(a) Non-Narcotic (Non-addictive)—Aspirin
(b) Narcotic—Morphine

ANTIMICROBIALS

(a) Antibiotics: It is used to treat infection because of their low toxicity for humans & animals.
Ex: Purntoril
(b) Antiseptics & Disinfectants: Chemicals which either or prevent the growth of micro-organism. Antiseptic are applied to living tissues where disinfectants are applied to living tissues whereas disinfectants are applied to inammate objects.