



# Drug :Nomenclature

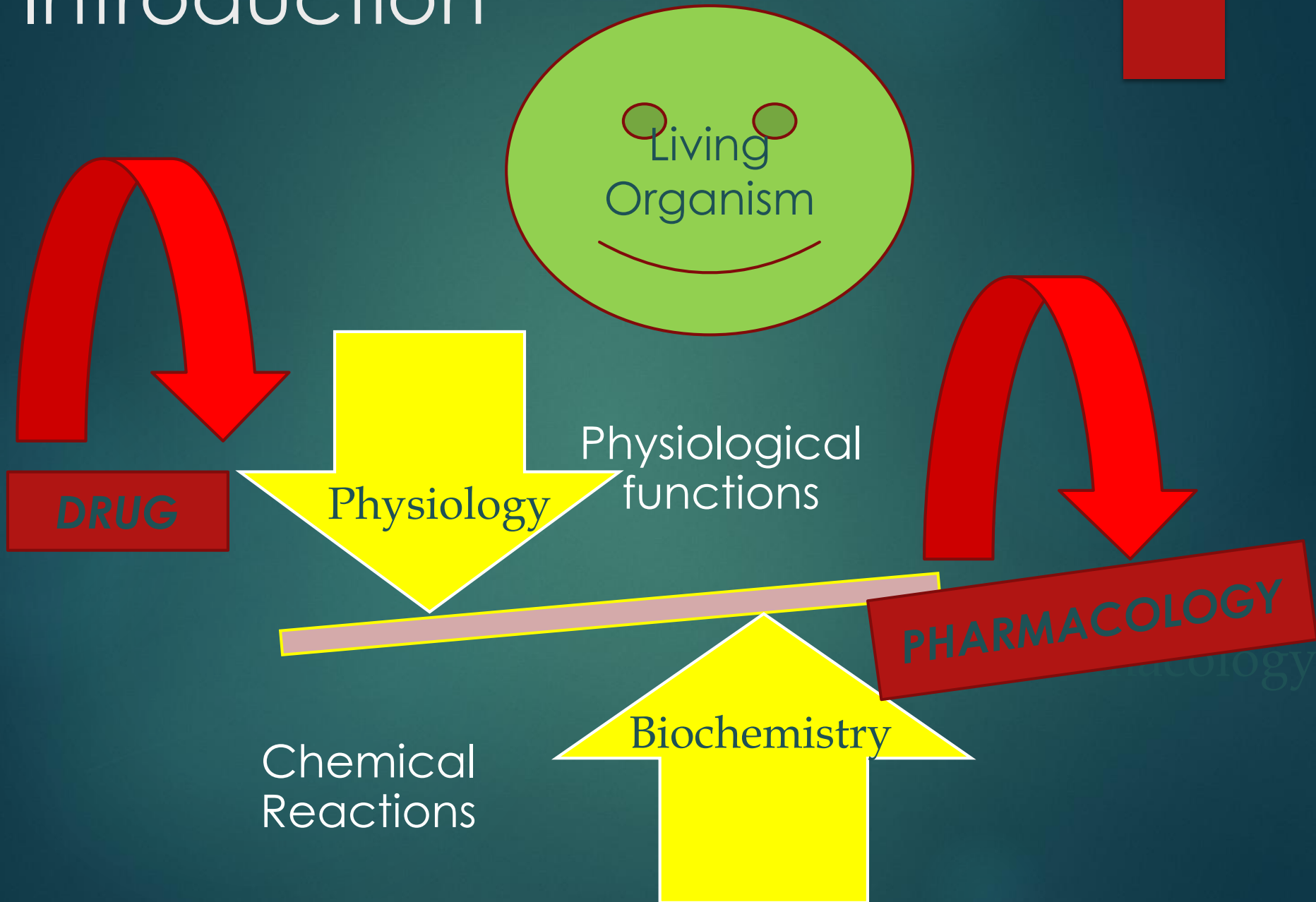


Lecture for: M.Sc chemistry: IV sem  
Subject:Introduction to Phamaceutics  
Subject Code: MCHE401



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# Introduction



? DRUG



*As per WHO Scientific group*

**“Any Substance or product that is used and intended to be used to modify or explore the physiological system or pathological state for the benefit of the recipient “**

# Drug categories



## **Prescription drugs**

Are used under only medical supervision and dispensed by an order of medical practitioner only

## **OTC drugs**

Can be sold over the counter without prescription



# Sources of Information

## Drug Compendia

*Pharmacopoeias*  
*Formularies*

Official

Non Official  
Martindale

### Pharmacopoeias

British pharmacopoeias

United states Pharmacopoeias

Indian Pharmacopoeias

### Formulary

Pharmaceutical codex (by  
pharmaceutical Society of Great  
Britain )

National Formulary (by American  
Pharmaceutical Association)

National Formulary of India

# Non official Compendia

- ▶ Serves as *Secondary Source of drug Information* both by Generic name and Trade name
- ▶ This Information is generalized and is not restricted to only those drugs which are approved for use by the legally constituted committee of that country .

For Example :

1. **AMA Drug Evaluation** : by American Medical Association and Council on Drugs
2. **Modern Drug Encyclopedia**: by Yorkee Medical books , New York, USA
3. **Physician's Desk Reference (PDR)** : by Medical Economics Publications ,USA
4. **Martindale Extra Pharmacopoeias** : by Pharmaceutical Society of Great Britain .

# DRUG NOMENCLATURE

A drug generally has three categories of names:

## (a) **Chemical name**

- It describes the substance chemically, e.g. 1-(Isopropylamino )-3-(1-naphthyloxy) propan-2 –ol for propranolol.

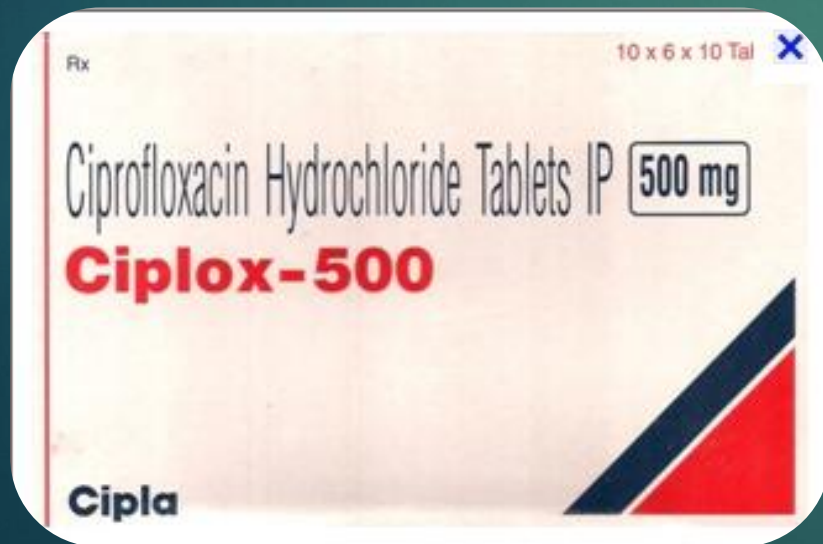
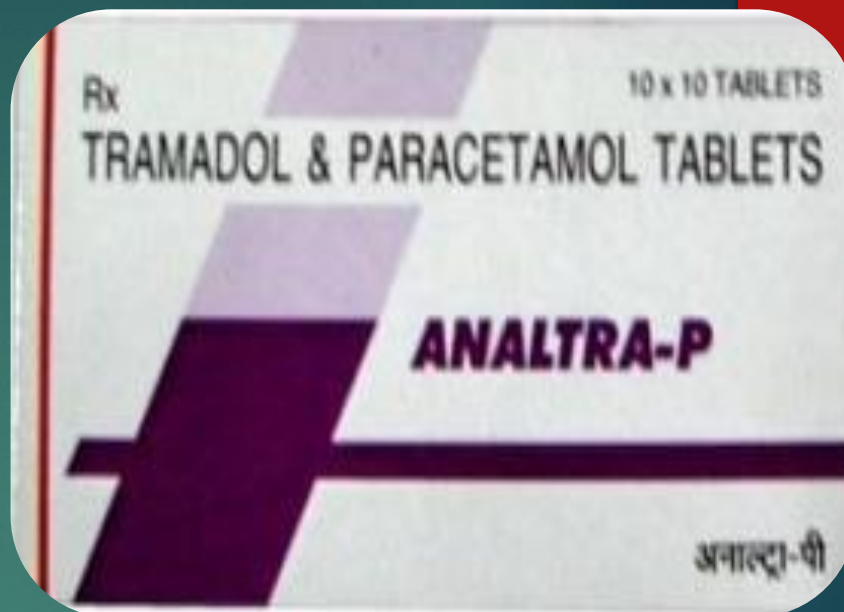
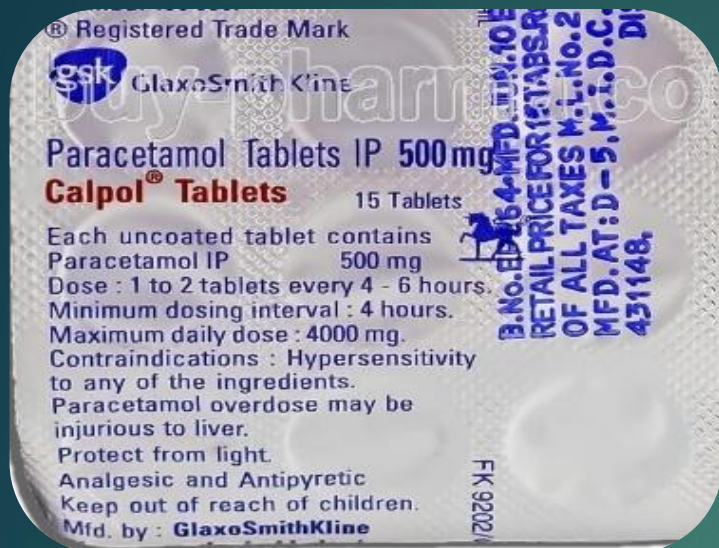
## (b) **Non-proprietary / official name / Approved name**

- Name in the official books accepted all over the world

## (c) **Proprietary (Brand) name**

- Crocin for Paracetamol







# Essential medicines

- ▶ **Essential medicines**, as defined by the WHO are "those drugs that satisfy the health care needs of the majority of the population; they should therefore be available at all times in adequate amounts and in appropriate dosage forms, at a price the community can afford."

# Orphan Drugs

- ▶ drugs or biological products for diagnosis/treatment/ prevention of a rare disease or condition, or a more common disease for which there is no reasonable expectation that the cost of developing and marketing it will be recovered from the sales of that drug.
- ▶ e.g. sodium nitrite, fomepizole, liposomal amphotericin B,, rifabutin,, somatropin etc.
- ▶ Governments in developed countries offer tax benefits and other incentives to pharmaceutical companies for developing and marketing orphan drugs (e.g. Orphan Drug Act in USA).

# Laws governing Drugs (Drugs Schedule )

Includes the drugs with high potential of Abuse Eg. LSD, Heroin .Marijuana, Flunitrazepam and Methaqualone

## Schedule I

Includes morphine ,codiene, pethidine, fentanyl, cocaine, amphetamine,methylphenidate, pentobarbital and secobarbital .these can be used under medical supervision only

## Schedule II

The drugs with moderate physical and psychological dependence eg. Stanzolol, ketamine ,nalorphine ,thiopental ,suppository form of secobarbital and pentobarbital etc

## Schedule III

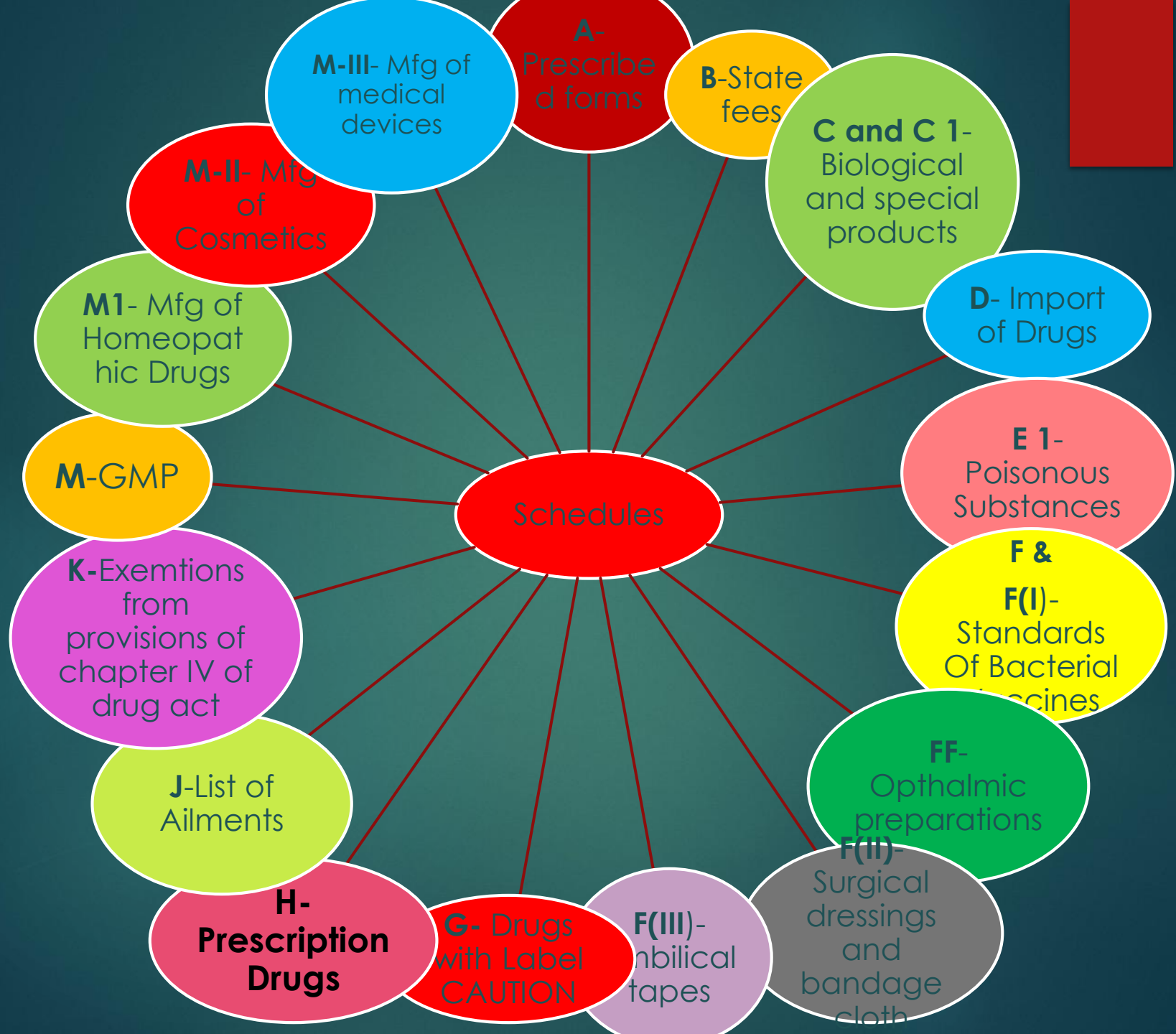
They have low potential for abuse and have limited physical and pshycological dependence eg. Long acting barbiturates Benzodiazapines, Propoxyphene ,Pentazocine ,Premolineolpidem and

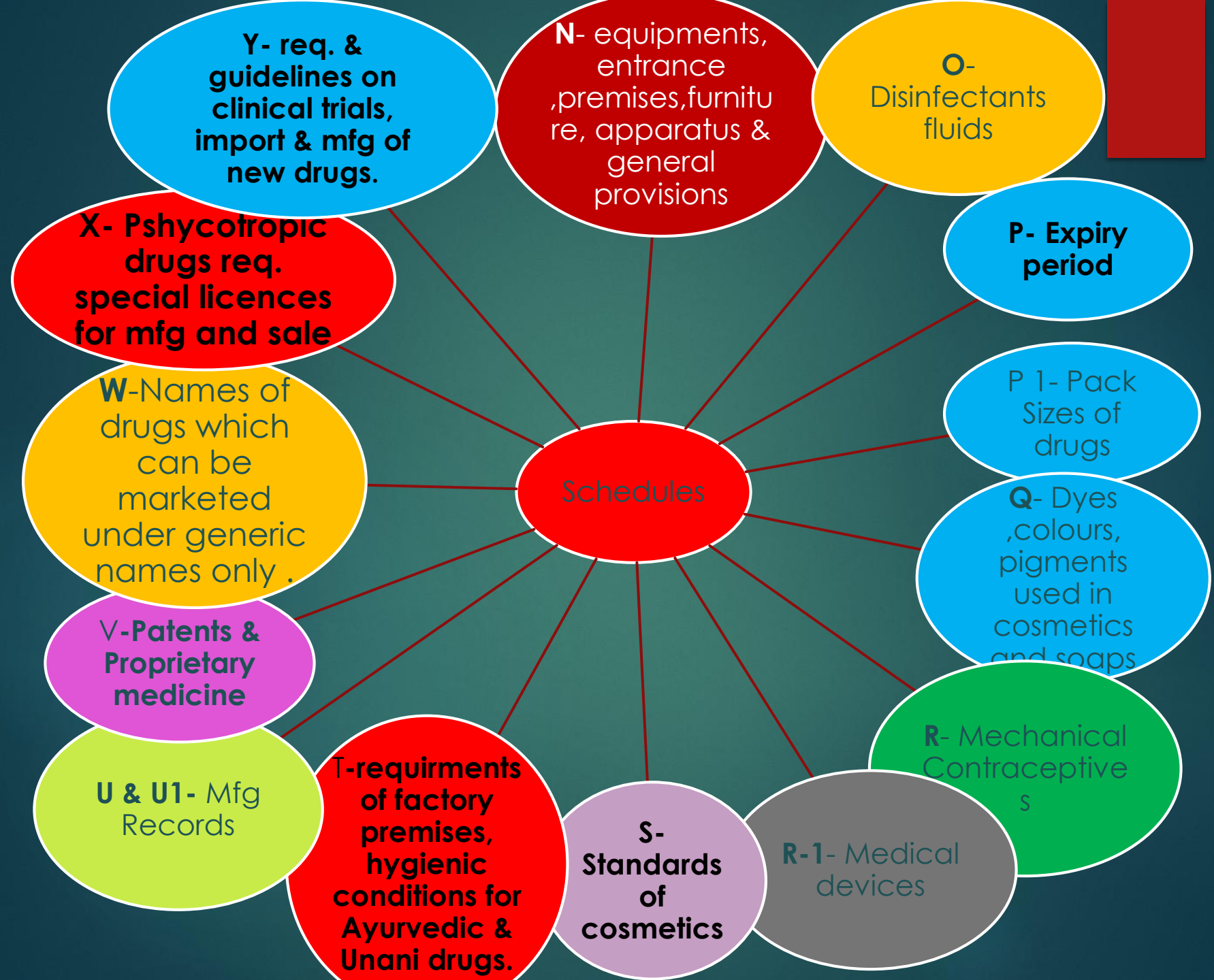
## Schedule IV

Leplon

## Schedule V

They have minimal use abuse potential and minimum dependence liability eg Lamotil and formulation containing Codiene while others are OTC drugs.,





# Bibliography

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