

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

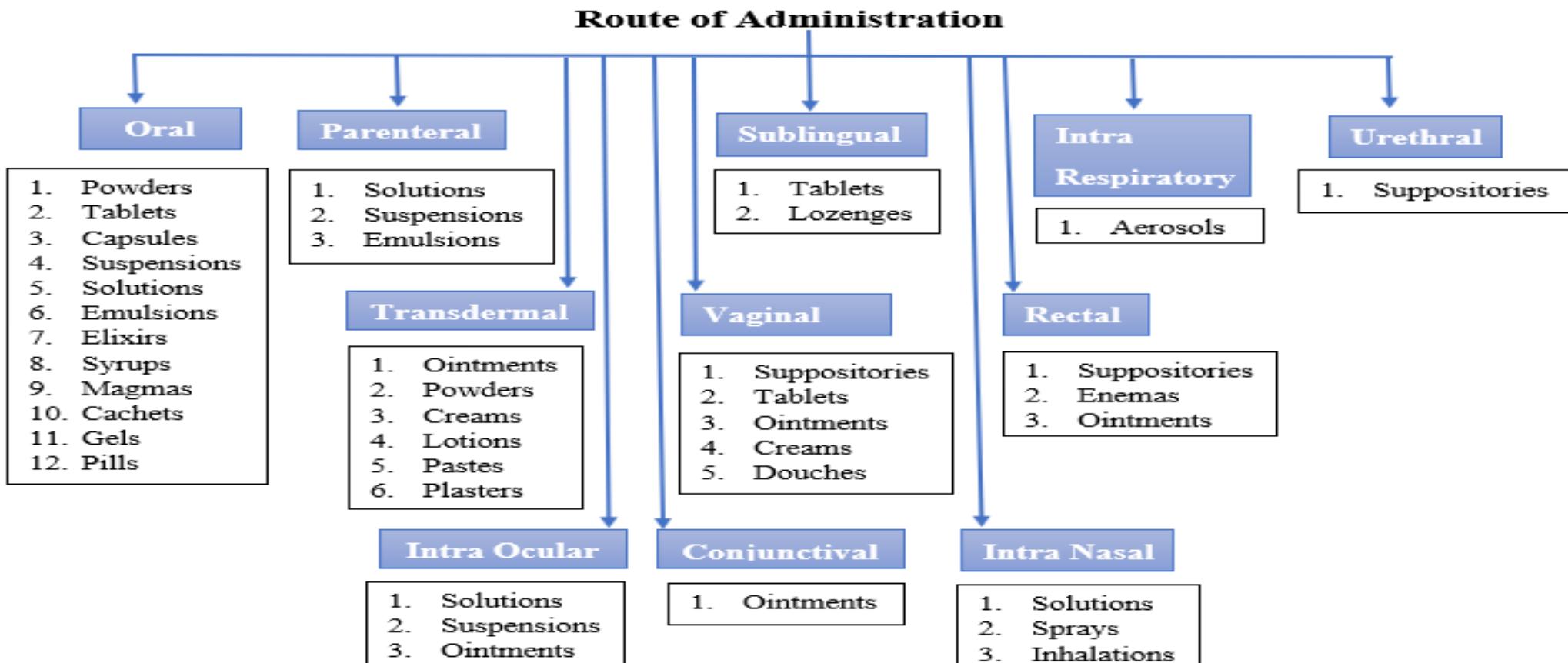
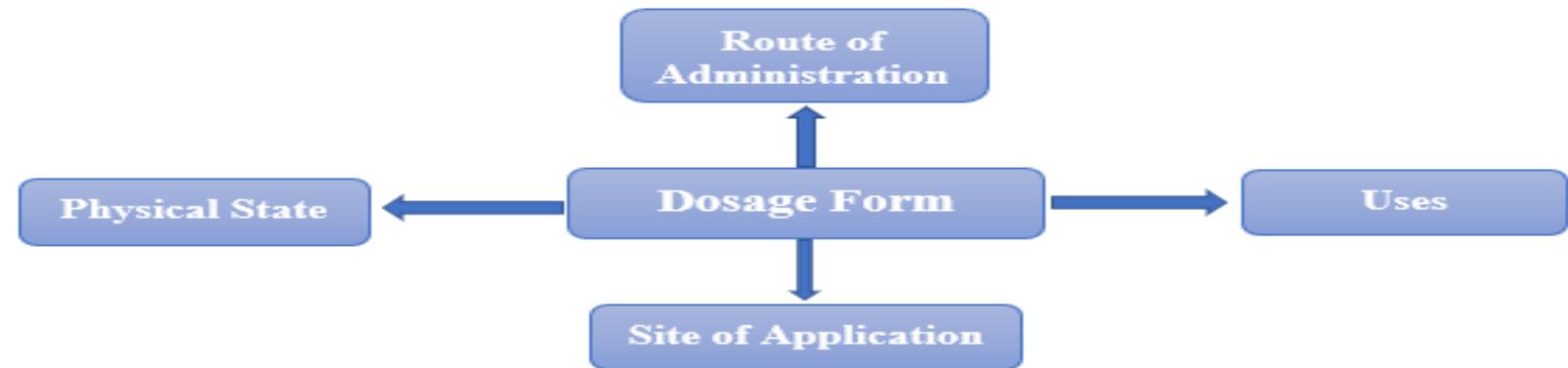
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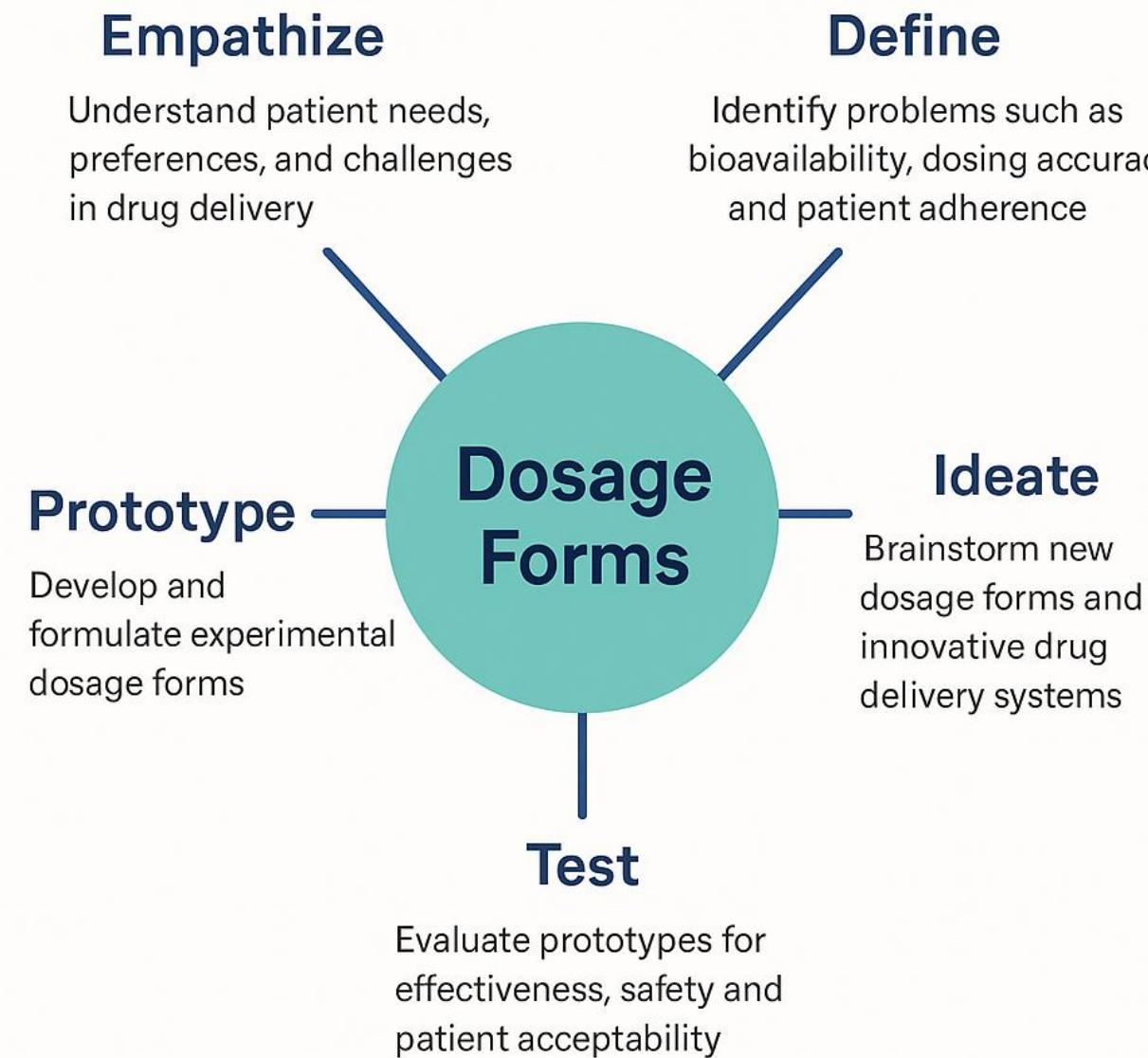
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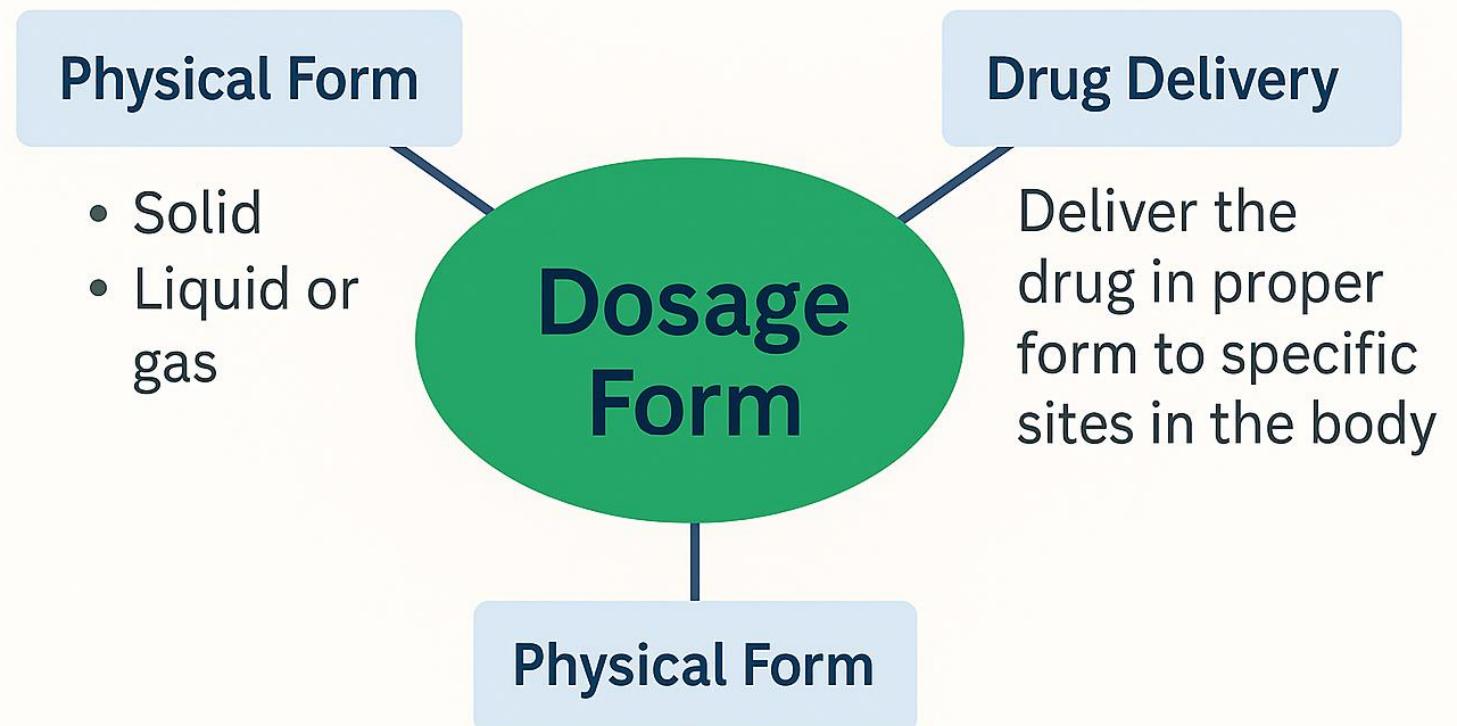
**COURSE NAME: PHARMACEUTICS I
(BP 103 T) I YEAR / I SEM**

**TOPIC: PHARMACEUTICAL DOSAGE
FORMS- MONOPHASIC**

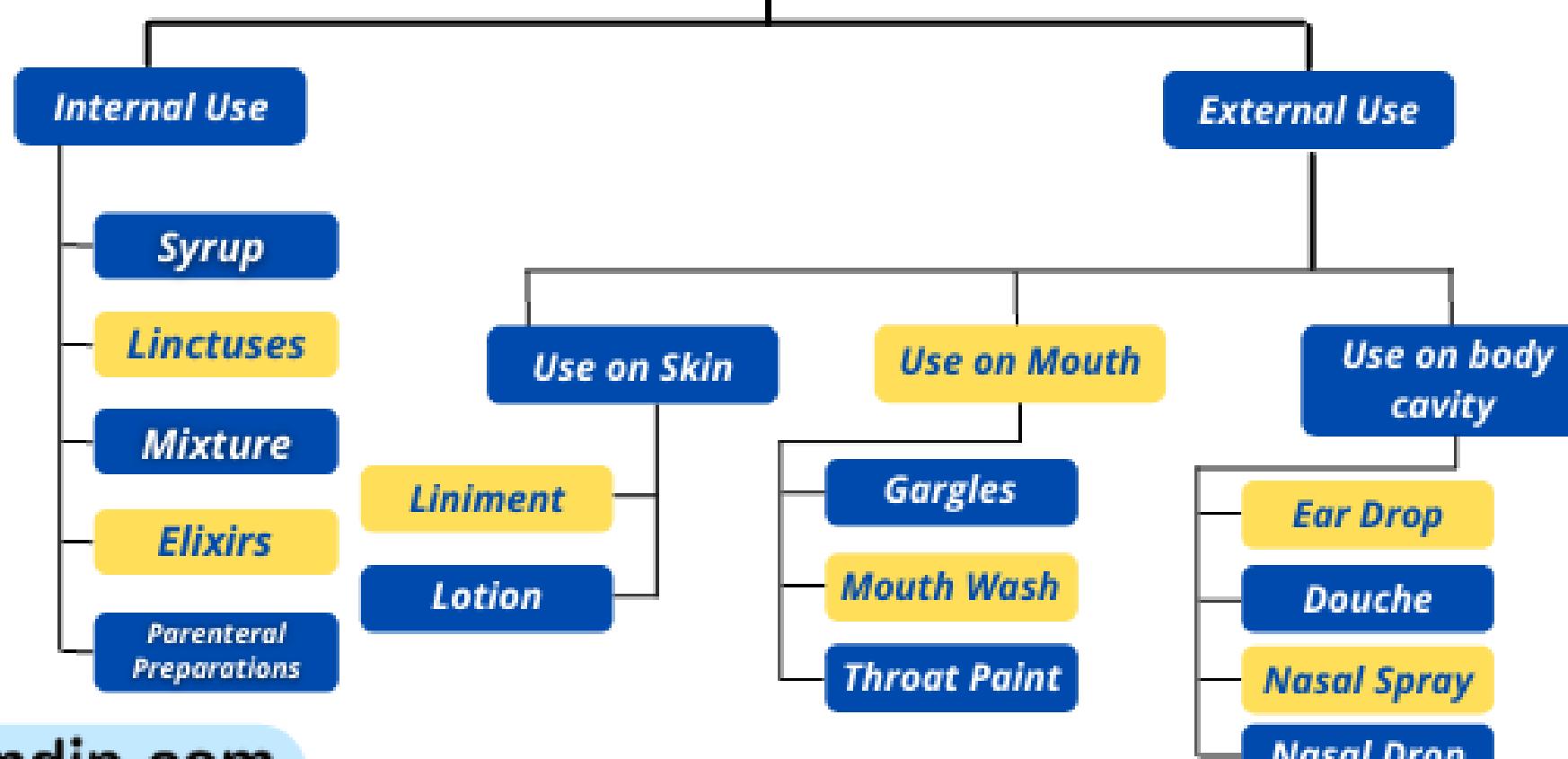


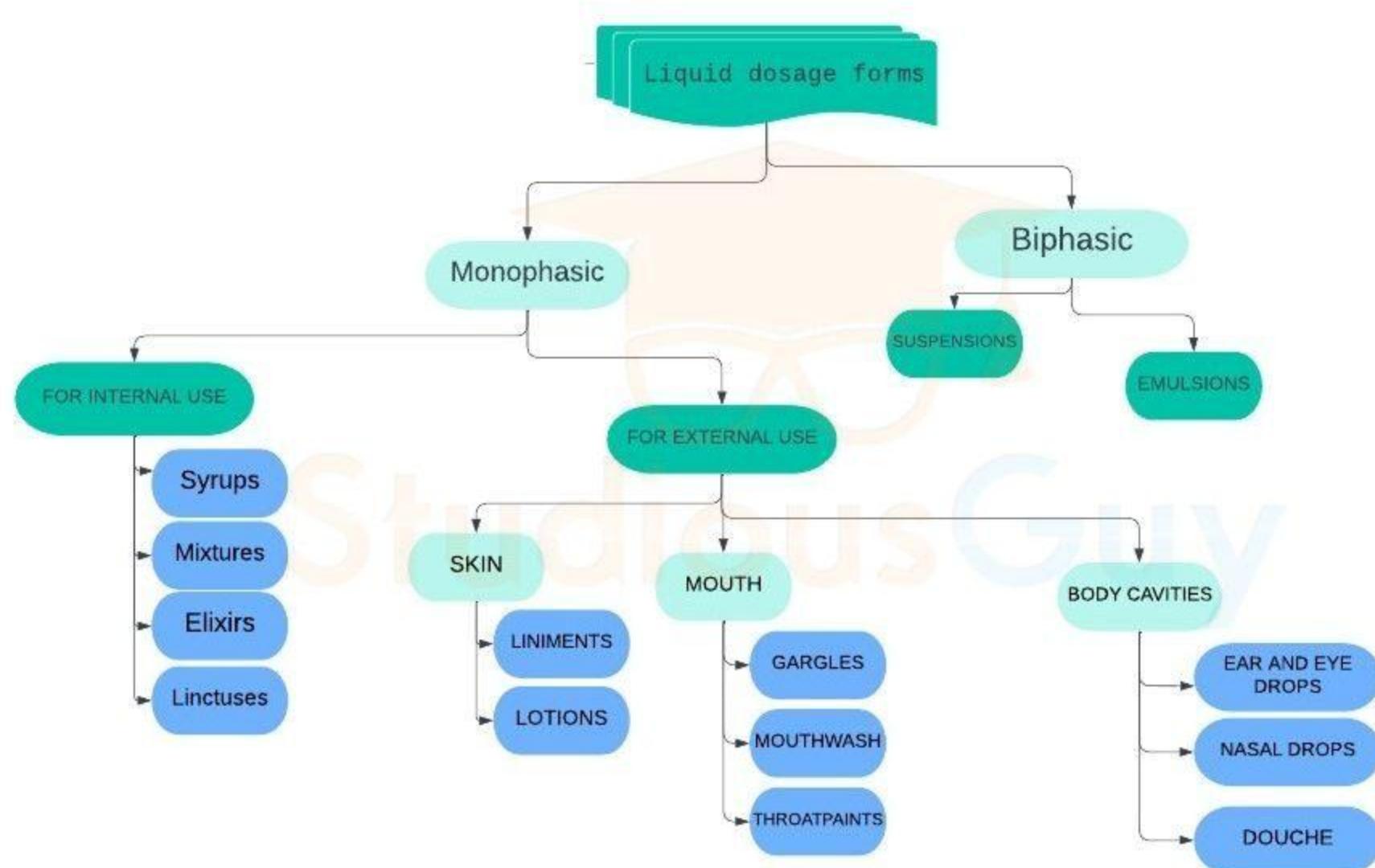


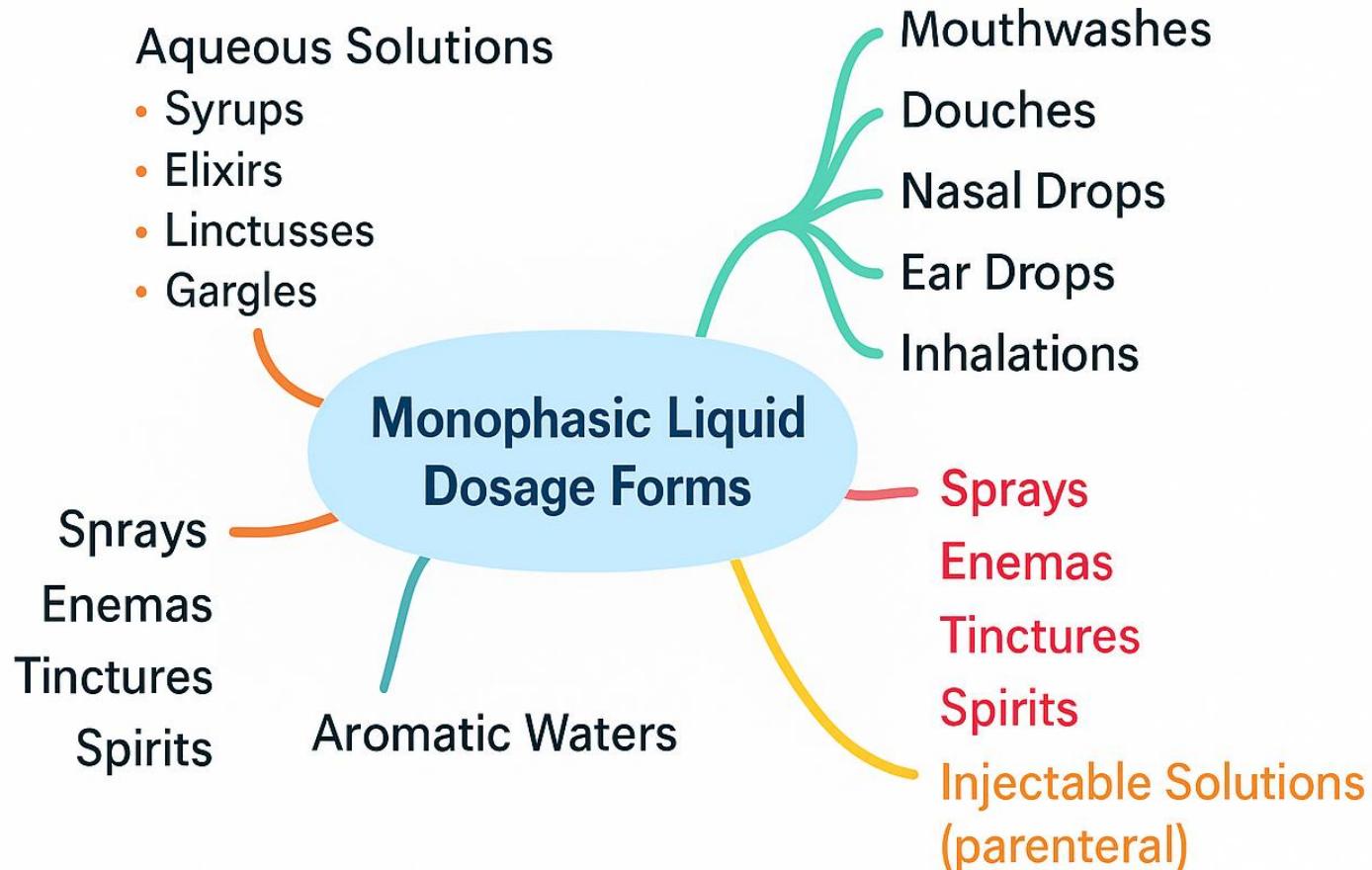
What is a Dosage Form?



Monophasic Liquid Dosage Form

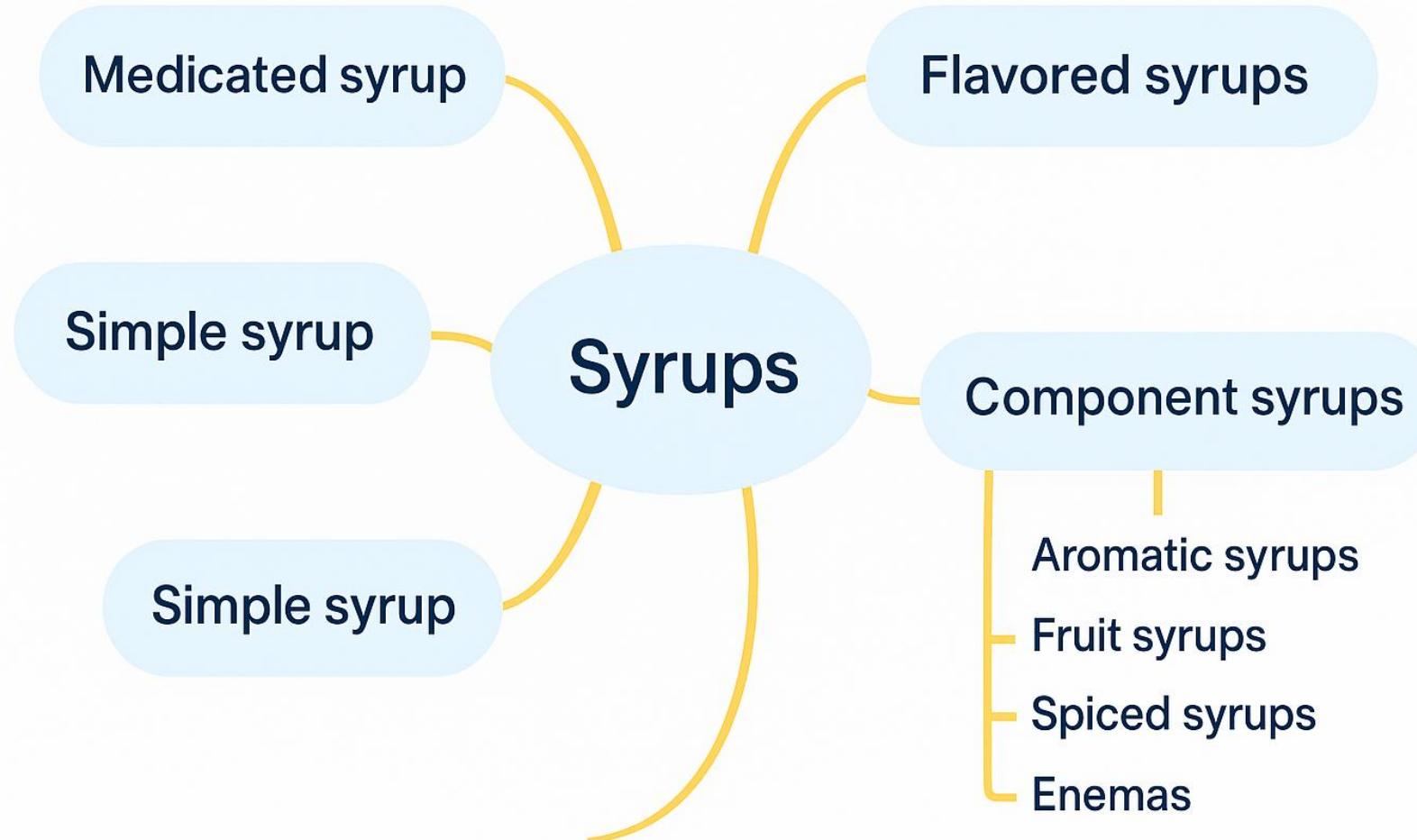






Monophasic liquids (Solutions)





SYRUPS

COMPOSITION OF SYRUPS

ACTIVE PHARMACEUTICAL INGREDIENT

PRESERVATIVES

SWEETNING AGENT

VISCOSITY MODIFIER

FLAVORANT & COLORANT

SOLVENT/VEHICLE



Solutions and Elixirs

Solutions

Definition: Liquid preparations containing one or more dissolved substances

Common solvents:
Water or aqueous base used, sometimes alcohol or glycerin

Elixirs

Definition: Sweetened, flavored solutions of alcohol and water

Alcohol content:
5-40% alcohol, acts as solvent and preservative



LINCTUSES

Linctuses

Viscous, liquid oral preparations generally prescribed for cough relief, e.g.: Codeine Linctus

Contains demulcent, sedative & expectorant medicaments

5 mL small dose volume sipped and swallowed slowly



LOTIONS



Liquid preparations meant for external application without friction

Local action as **cooling, soothing or protective** purposes

Aqueous and non aqueous lotions
(Alcoholic lotions)
Cleansing, moisturizing and antiseptic lotions



Liniments

Meant for external application on to the skin with friction and rubbing

Local action as cooling or protective purposes

Liniments, Lotions, and Collodions

Collodions

Liquid preparations for external use containing pyroxylin in a mixture of ethyl ether and alcohol

Lotions

Meant for external application without friction

Local action as **cooling**, **soothing** or protective purposes

Aqueous and non aqueous lotions (Alcoholic lotions)

Cleansing, moisturizing and antiseptic lotions

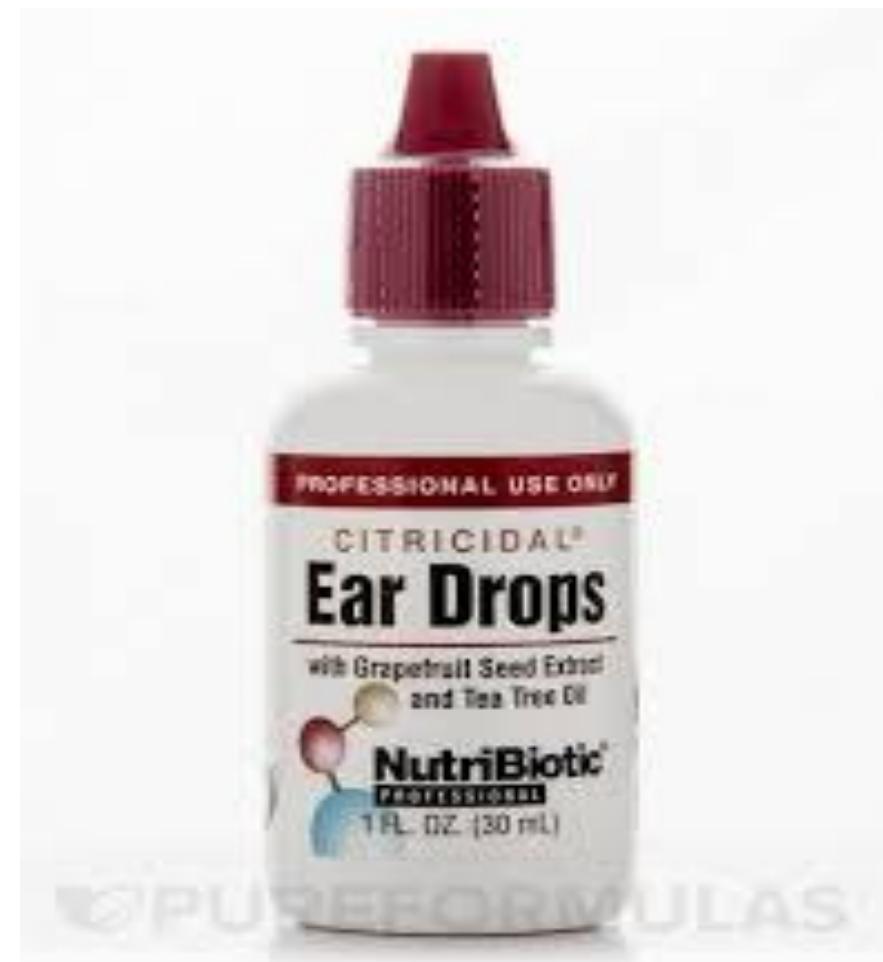
Collodions

Liquid preparations for external use containing pyroxylin in a mixture of ethyl ether and alcohol



EAR DROPS

HOW TO USE EAR DROPS CORRECTLY



NASAL DROPS



EYE DROPS



ENEMAS





Assessment

- **Which of the following** is an example of a solid dosage form?
a) Syrup b) Tablet c) Ointment d) Injection
- **What is the main purpose** of coating a tablet?
a) To increase cost b) To protect from moisture and gastric juice
c) To change color d) To increase hardness
- **Which dosage form** is designed for **local application to the skin**?
a) Capsule b) Ointment c) Elixir d) Suppository
- **Modified release dosage forms** are mainly used to:
a) Deliver the drug rapidly
b) Control the rate and duration of drug release
c) Increase toxicity d) Improve taste
- **Bioavailability** of a drug can be improved by:
a) Poor formulation design b) Use of gastro-retentive dosage forms
c) Incomplete dissolution d) Light exposure

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THANK YOU