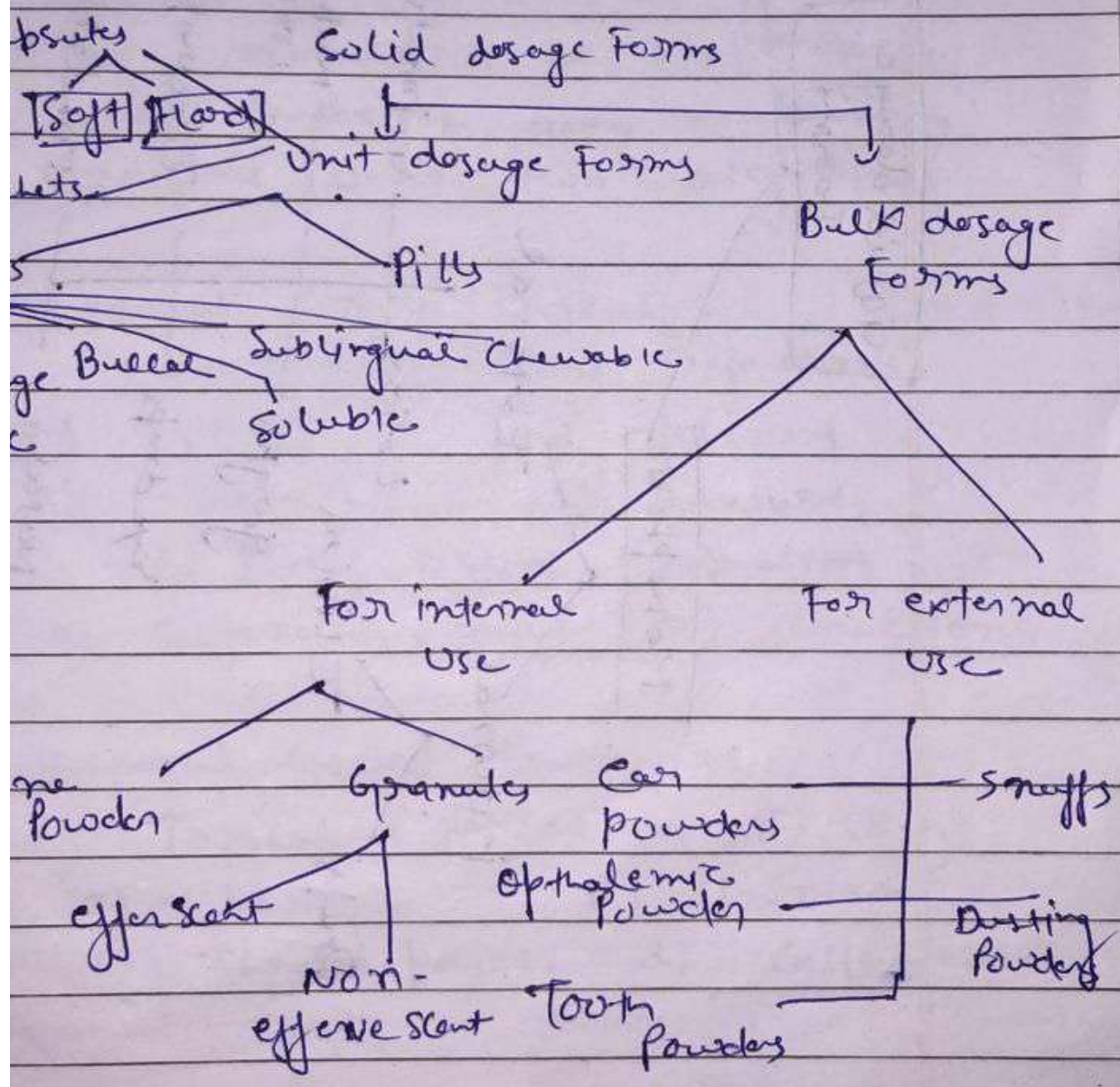


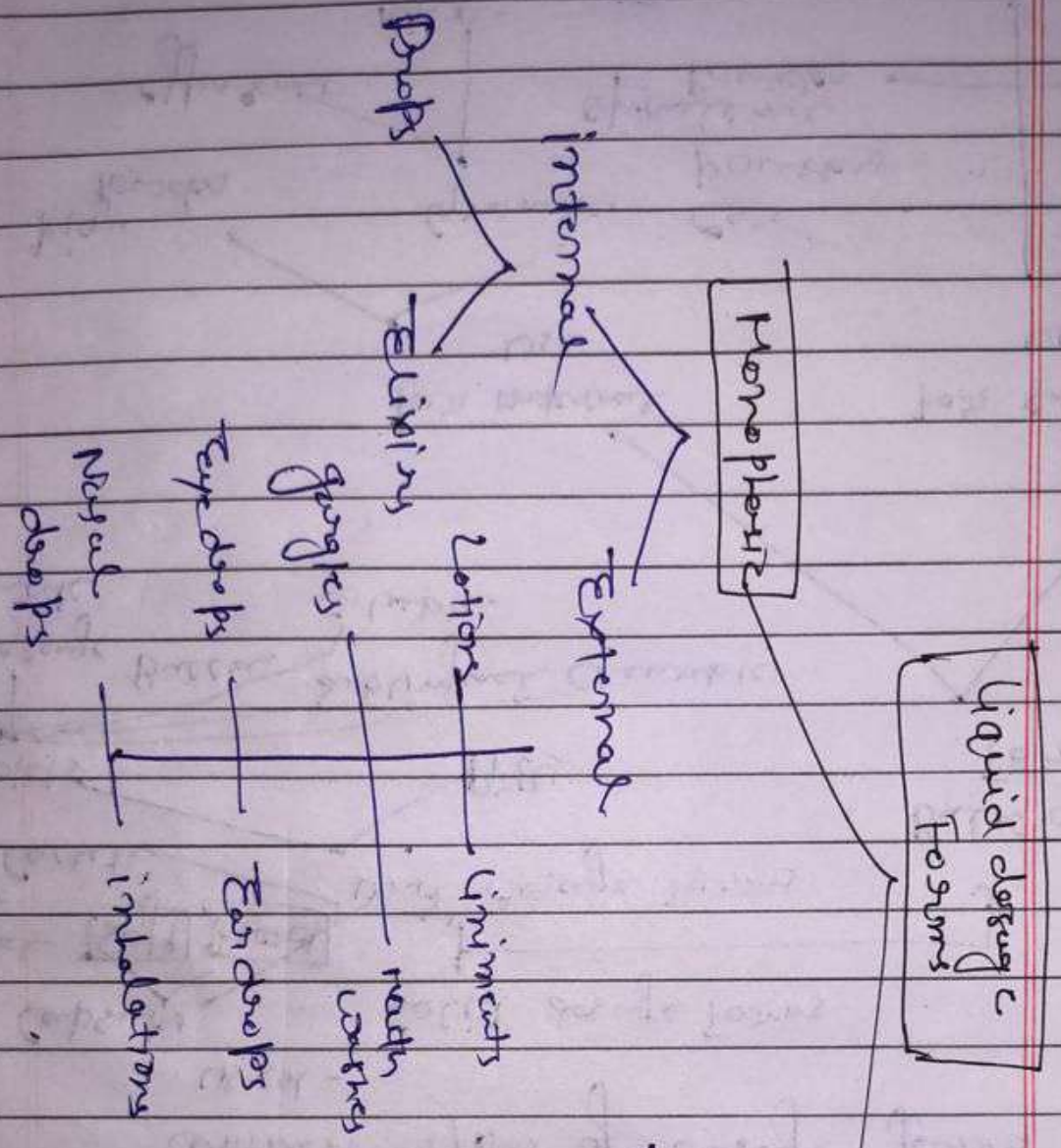
Programme - D. Pharm.
Subject - Pharmaceutics - I
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Unit - I
Topic - Introduction to
different dosage forms.
Sub topic - solid dosage forms,
liquid dosage forms,
semi solid dosage
forms

Introduction to different dosage forms.

Medicines are administered into the human body through different routes of administration depending on the method of absorption required for their therapeutic effect. Medicines reach the targeted areas to act through various types of dosage forms.

The following are some of the common types of dosage forms used -





Liquid dosage forms.

Liquid dosage forms commonly used in pharmaceutical practice are either monophasic or biphasic.

Monophasic systems are characterized by the presence of a single homogeneous phase,

Eg. Solution, mixtures, Elixirs, tinctures, syrups, ear drops, nasal drops. Etc.

Whereas biphasic liquid dosage forms consist of two distinct phases.

Eg. Emulsion & suspensions
Liquid preparations may be broadly classified under two categories

Internal liquid preparation.

Monophasic liquid preparations.

- | | |
|------------|--------------|
| a) Syrups | c) Solutions |
| b) Elixirs | d) Tinctures |

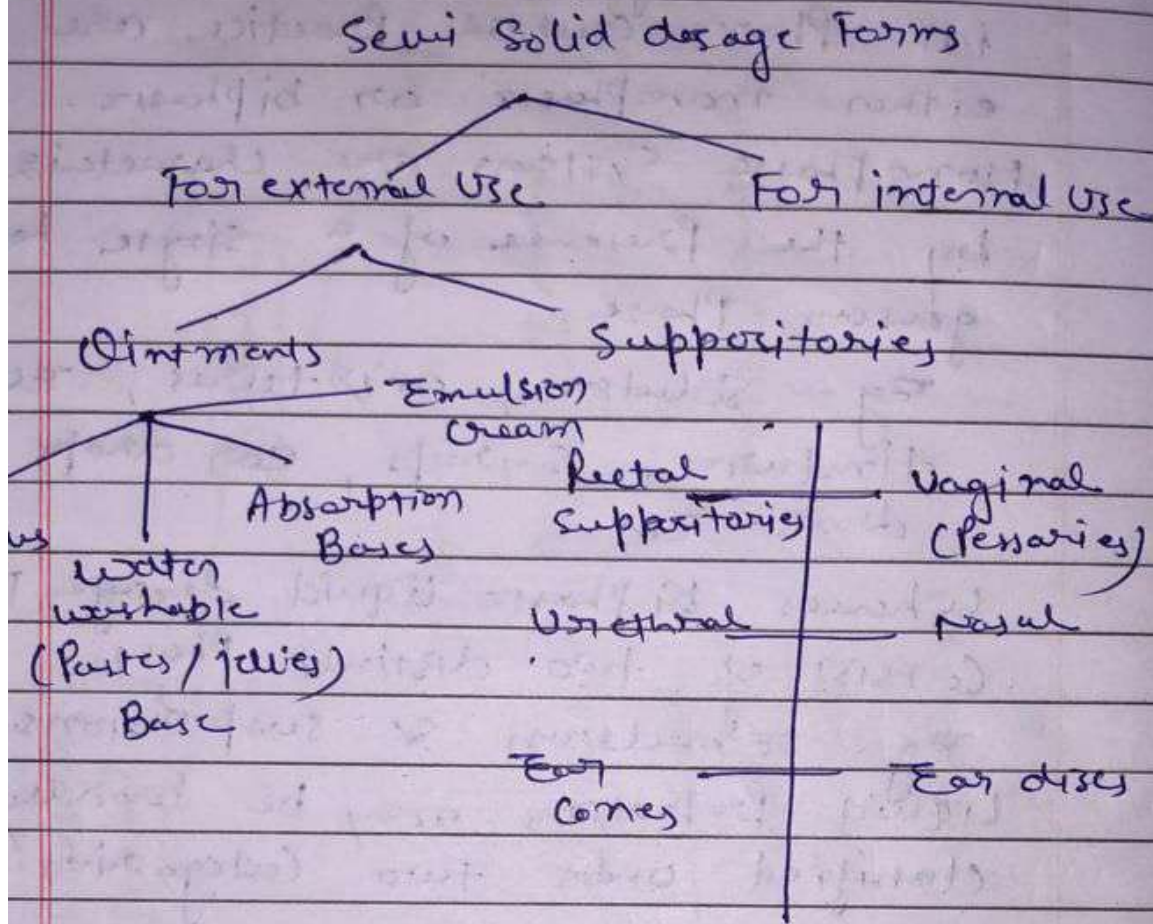
Biphasic liquid preparations.

- | | |
|---------------------|-------------|
| a) Suspension (mix) | b) Emulsion |
|---------------------|-------------|

External liquid preparations.

- i) Topical (applied on the skin)
- | | |
|------------------|--------------|
| a) Lotions | b) Liniments |
| c) Throat paints | d) Colloids. |

Semi solid dosage Forms.



Semi solid Preparation are neither solid nor liquid formulation, they are dermatological Preparations intended to apply externally on the skin to produce local or systemic effect.

Semisolids adhere to the application surface for sufficiently long periods before they are washed off.

This property helps prolong drug delivery at the application site.

A semi solid dosage form is advantageous in terms of its easy application, rapid formulation & ability to topically deliver a wide variety of drug substances.

References: Agarwal S.P Khanna Rajesh,
Pharmaceutics - II, Birla Publications
Pvt. Ltd. 2016-2017 Edition Page no.
1 to 20.

Agarwal Gaurav, Pharmaceutics - I,
CBS Publishers & distributors Pvt
Ltd, First Edition 2019, Pg no. 140/16.