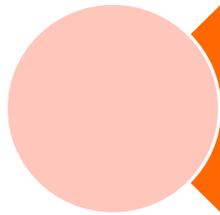


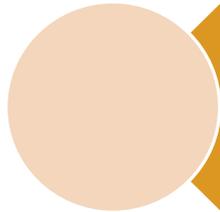


Tablet Coating

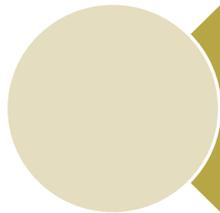
**5th year students/
1st semester**



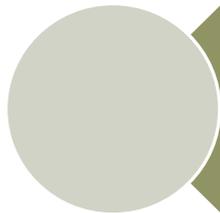
Purposes of tablet coating P.346



Basic apparatus for tablet coating P.347



Components of tablet coating P.347



Tablet Core properties P.347

Coating process

P.348

Equipments used in tablet coating:

P.348-352

(pan coating, fluidized bed coater)

Accessory equipments for coating machine: P.354

(Baffles, polishing pan, Immersion tube, Spray application system [airless automization, air spray automization])

Sugar Coating P.355-356

Steps of sugar coating

- **(Sealing, sub-coating, grossing [smoothing], coloring, polishing)**

Disadvantages of sugar coating

Film coating P.359

Materials
used in film
coating
P.364

- (Polymers, Solvents, Plasticizers, Coloring agents)

Film Forming
Polymers
P.365-366

- (Cellulose ether as Hydroxypropyl methyl cellulose [HPMC], Methyl cellulose [MC], Ethyl cellulose [EC], Sodium carboxy methyl cellulose [Na CMC], Poly vinyl pyrrolidone [PVP], Poly ethylene glycol [PEG], methacrylic acid [Eudraget]).

Plasticizer

P.368

Glass-transition temp., inclusion of plasticizers, types of plasticizer. P.369-370

Application techniques of film coating: P.362

- **Spray method, ladle method.**

Problems associated with film coating: P.371

- **(Picking, Peeling, Bridging, Roughness, Mottling)**

Aqueous film coating

| | |
|--|------------|
| Methods of evaluation of film coats | P.363, 370 |
| Sustained release coating | P.372 |
| Enteric coating | P.366 |
| New and recent techniques in tab. Coating (Specialized coating) | P.372 |
| Compression coating | P.372 |
| Multilayers tablet. | |



**THANK
YOU**
for
LISTENING
ANY QUESTIONS?