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 pyrrolidine [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?