Practical List of Pharmacy Technician Part-II

PHARMACEUTICS (Industrial)

- Manufacture of Tablets by wet granulation.
- Manufacture of Tablets by slugging and compression by single punch machine and ingredients use.
- Manufacturing of Syrups, Suspensions, Emulsions
- Quality control tests of Tablets.
  Disintegration, friability, hardness and thickness tests, Determination of weight variation in tablets, density of powder, particle size analysis
- Clarity and leakage tests in Injectables
- Definition all dosage form Tablets, Capsules, Lozenges, Syrups (BP and USP), Elixier, Tincture, Ointment, Cream, Liniment, Suppository
- Sterile preparation
- Sterilization

PHARMACOLOGY

- Preparation of standard solution
  - Ringer Solution
  - Tyrode solution
  - Krebs solution
  - Normal saline solution

- Study the effects of Adrenaline and Acetylcholine on Rabbit's eyes
- Study the effects of Atropine on Rabbit's eye
- Study the effects of Pilocarpine on Rabbit's eyes
- Preparation of 5% and 10% Dextrose solution
- Study the effects of Local Anaesthetic Drug on rabbit eyes

COMPUTER

- Fundamentals basic concepts of computers
  (a) General learning, knowledge, and fluency with computer terms and usage
  (b) Disk (c) Disk Operating Systems and Windows
  (d) Modems and Networking

- Different parts of computer
- Introduction of internet
- Introduction of email
- Introduction of virus & antivirus
- Introduction of MS Word, MS Excel, Power Point
- Introduction of different software applications used in pharmacy
- Patients data/Drug data
  - Record keeping
  - Data Analysis

Note: - The candidates are required to work for 200 hours in a Hospital, pharmaceutical Industry OR Retail Pharmacy during summer vacations. They must maintain a diary of work signed daily by the Manager.