

## 1.6 Pharmaceutics-II (Dispensing of Medication)

1. **Introduction-** Definition, General dispensing procedure, Sources of errors and inaccuracies in dispensing, Sources of information.
2. Types of dispensed preparations, containers, closures and labeling for dispensed products.
3. Dispensing of proprietary medicines.
4. Pharmaceutical calculations- Different systems of weights and measures, reducing and enlarging of recipes, percentage solutions, allegation, alcohol dilution, proof spirits, isotonic solutions.
5. **Medication Order-** Definition, various parts, reading & understanding of prescription.
6. **Posology-** Factors influencing doses, calculation of doses, doses of important commonly prescribed drugs, pharmaceutical Latin terms.
7. Principles involved and procedure adopted in dispensing of the following categories:
 

(a) Solutions	(b) Suspensions
(c) Emulsions	(d) Powdered and oral unit dosage forms
(e) Semi-solids	(f) Suppositories
(g) ENT preparations	
8. **Incompatibility:** Physical, chemical and therapeutic. Methods adopted in corrections
9. Future trends in Dispensing.

### PRACTICALS

Dispensing of at least 50 products covering a wide range of preparations such as- solutions, suspensions, emulsions, creams, powders & oral unit dosage forms, ointments, pastes & jellies, suppositories & incompatible prescriptions.

#### **Books Recommended:**

1. Cooper and Gunn's, 'Dispensing for Pharmaceutical students', CBS Publishers and Distributors, Delhi.
2. Jain & Sharma. 'Dispensing for Pharmaceutical students'.
3. British Pharmaceutical Codex.
4. Pharmacopoeia of India.
5. British Pharmacopoeia.

6. United States Pharmacopoeia.
7. PUSA Dispensing of Medication.
8. Robert & King- Dispensing of Medications.