
Pharmaceutics Manual

(Contents)

Preface	vii
Syllabus	ix
Pharmaceutical Metrology	1
Calculations of Pharmaceutical Dosage Forms in Compounding and Dispensing	3
Introduction to Indian Pharmacopoeia and National Formulary of India.....	6
Unit - 1: Handling and Referring the Official References	
1. Handling of Indian Pharmacopoeia	13
2. Handling of National Formulary of India.....	18
Unit - 2: Formulation of The Following Dosage Forms as Per Monograph Standards and Dispensing With Appropriate Packaging and Labeling	
Liquid Orals	25
3. Simple Syrup I.P.	28
4. Piperazine Citrate Elixir I.P.	33
5. Aqueous Iodine Solution I.P.....	39
Emulsions.....	43
6. Castor Oil Emulsion	48
7. Cod Liver Oil Emulsion	51
Suspensions.....	55
8. Calamine Lotion I.P.....	59
9. Magnesium Hydroxide Mixture B.P.....	62
Ointments.....	71
10. Simple Ointment Base I.P.....	73
11. Sulphur Ointment I.P.	76

Creams	79
12. Cetrimide Cream	81
Gel.....	84
13. Sodium Alginate Gel	86
Liniment.....	89
14. Turpentine Liniment.....	90
15. White Liniment B.P.	92
Powders and Granules.....	95
16. Sodium Phosphate Effervescent Granules U.S.P Aim.....	100
17. Dusting Powder of Salicylic Acid Compound BPC	103
Parenteral Dosage Form/Injectable	107
18. Normal Saline Solution	111
19. Calcium Gluconate Injection.....	113
Capsule.....	116
20. Tetracycline Capsules.....	120
Introduction of Tablets	122
21. Preparation of Paracetamol Tablets	129
Unit - 3: Formulations of Cosmetic Preparations	
Cosmetic Preparations.....	137
22. Formulation of Shampoo.....	139
Creams	142
23. Formulation of Cold Cream	143
24. Formulation of Vanishing Cream	145
25. Formulation of Lipstick.....	147
26. Formulation of Face Powder	149
27. Formulation of Tooth Paste	151

Unit - 4: Demonstrations of Various Processes

28. Demonstration of Various Stages of Tablet Manufacturing Processes.....	157
A. Methods of Usage and Storage of Inhalers	165
B. Methods of Usage and Storage of Spacer	167
C. Methods of Usage and Storage of Insulin Pen.....	169
29. Demonstration of In-Process QC Tests for Tablets	171
30. Demonstration of In-Process QC Tests for Hard Gelatin Capsules	180
31. Demonstration of In-Process QC Tests for Sterile Injectables.....	182
32. Demonstration of In-Process QC Tests for Emulsions.....	185
<i>Pharmaceutical Abbreviations.....</i>	<i>187</i>