

Contents

<i>Preface</i>	<i>v</i>
<i>Acknowledgement</i>	<i>vii</i>
<i>Syllabus- Industrial Pharmacognosy (Practical)</i>	<i>ix</i>
Experiment No: 1	
Column Chromatography for Isolation of Phytochemicals	1
Experiment No: 2	
Preparative Thin Layer Chromatography (Preparative TLC) of Curcuminoids	6
Experiment No: 3	
Isolation and Identification of Piperine from Black Pepper.....	10
Experiment No: 4	
Isolation and Identification of Sennosides from Senna.....	14
Experiment No: 5	
Isolation and Identification of Withanolides from Ashwagandha.....	18
Experiment No: 6	
Isolation and Identification of Lycopene from Tomato Fruits	22
Experiment No: 7	
Acid–Base Purification for Separation of Alkaloids	26
Experiment No: 8	
Preparation and Chemoprofiling of Purified Alkaloidal Fraction	30
Experiment No: 9	
Separation of Amino Acids by Paper Chromatography	35
Experiment No: 10	
Preparation of Turmeric Extract and TLC Analysis of Curcumin	39

Experiment No: 11

Isolation and Determination of Total Aldehyde Content in Volatile Oil....43

Experiment No: 12

Preparation of Monographs of Herbal Drugs according to

IP, API, and IHP45

Experiment No: 13

Determination of Alcohol Content of Asava and Arishta50

Experiment No: 14

Standardization of Two Ayurvedic Formulations using UV Spectroscopy53

Experiment No: 15

Preparation and Evaluation of Ayurvedic Churna.....56

Experiment No: 16

Preparation of Tulsi Cough Syrup (Traditional Herbal Formulation).....59

Experiment No: 17

A Case Study on Community Awareness and Usage Pattern of *Curcuma longa* (Turmeric) Traditional Formulations61