

# CONTENTS

## PART - I

<i>Chapter No.</i>	<i>Description</i>	<i>Page No.</i>
1.	Introduction P.K. Agrawal	3
2.	Seed Sampling R.L. Agrawal	5
3.	Receipt and Registration of Samples R.P.S. Tomar & S.R.S. Tomar	21
4.	Physical Purity Analysis R.L. Agrawal	28
5.	Germination Testing B. Aswathaiyah, D.G. Gupta, Ramegowda & M.V. Reddy	45
6.	Determination of Genuineness of Cultivars P.K. Agrawal	93
7.	Moisture Determination P.K. Agrawal	104
8.	Determination of Weight P.K. Agrawal & D.P. Singh	116
9.	Seed Health Tests : Seedborne Diseases V.K. Agrawal & Ashok Gaur	121
10.	Seed Health Tests : Detection of Insects, Nematodes and Plant Parasites S.N. Sinha	131
11.	Testing of Coated Seeds R.P.S. Tomar & P.K. Agrawal	138
12.	Statistical Methods for Validity of Test Results D.P. Singh & P.K. Agrawal	144

## PART – II

<i>Chapter No.</i>	<i>Description</i>	<i>Page No.</i>
13.	Layout and Furnishing of the Seed Testing Laboratory N.S. Tunwar, V.P. Singh & S.V. Singh	193
14.	Tetrazolium Test for Seed Viability and Vigour V.N. Patil & M. Dadlani	209
15.	Seed Vigour Testing P.C. Gupta	242
16.	Identification of Cotton Hybrids by Polyacrylamide Gel Electrophoresis (PAGE) P.K. Agrawal	250
17.	Use of Computers in Seed Testing Laboratories P.K. Jain	255
18.	Storage of Seed Samples Received for Testing P.K. Agrawal	266
19.	International Seed Analysis Certificate P.K. Agrawal	268
20.	Seed Act & Rules in Relation to Seed Testing N.S. Tunwar	271

## PART – III

<i>Appendix No.</i>	<i>Description</i>	<i>Page No.</i>
1.	Suggested List of Equipment and Furniture for Seed Testing Laboratories P.K. Agrawal	281
2.	Specification for Germination Paper P.K. Agrawal	287

3.	Specification for Sand	289
	P.K. Agrawal	
4.	Seed Testing Laboratories in India	290
5.	Objectionable Weed Seeds Reported from Seed Testing Laboratories	297
	D.P. Singh	
6.	Forms used in Seed Testing Laboratories	
	a. Seed Analysis Card	308
	b. Seed Analysis Report	310
	c. Seed Analysis Report for Revalidation Lot	312
7.	Recommended list of Books and Journals	313
8.	Glossary	315
9.	Test for Heterogeneity	326
	D.P. Singh	
	References	336
	Legend for figures	338