

The Berar General Education Society's
Shri R.L.T. College of Science, Akola
Civil Lines, Akola, Maharashtra - 444001



Details of Book Published

Title of the Book : S.G.B. Practical Chemistry-I (I and II Semester)
Authors : Dr. P. T. Agrawal, Dr. A. G. Sarap
Department : Chemistry
ISBN : 978-93-88151-00-9
Year of Publication : 2018-19
Publication / Publisher : Pragati Prakashan, Meerat

AS PER NEW SYLLABUS
OF SANT GADGE BABA
AMRAVATI UNIVERSITY,
AMRAVATI

S.G.B.
**PRACTICAL
CHEMISTRY-I**
I & II Semester

- Dr. POONUM T. AGRAWAL
- Dr. ASHISH G. SARAP



A Pragati Edition

PRAGATI PRAKASHAN

Educational Publishers

Head Office :

PRAGATI BHAWAN

240, W. K. Road, Meerut-250 001

SMS/Phones : (0121) 6544642, 6451644, 4007643

Tele Fax : (0121) 2640642, 2643636

Regd. Office :

New Market, Begum Bridge,

Meerut-250 001

First Edition 2018

ISBN : 978-93-88151-00-9

Price : Rs. 65/=

Published by : A. K. Mittal for Pragati Prakashan, Meerut-250 001, Laser Typesetting :
Pragati Prakashan, Meerut and Printed at : Arihant Electric Press, Meerut.

Contents

1	Inorganic Qualitative Analysis (Semi Micro Analysis)	1-22
1.	Introduction	1
2.	Identification of Acidic Radicals	3
3.	Identification of Basic Radicals	4
4.	Identification of Type A Mixture	5
5.	Identification of Type B Mixture	6
2.	Organic Preparations	23-36
1.	Preparation of Benzoic Acid from Benzamide	23
2.	Preparation of Benzoic Acid from Benzaldehyde	24
3.	Preparation of Benzanilide from Aniline	25
4.	Preparation of Acetanilide from Aniline	26
5.	Preparation of Azodye from Aniline	27
6.	Preparation of m-dinitrobenzene	28
7.	Preparation of acetylation	29
8.	Base Catalyzed Aldol Condensation	31
3.	Organic Chemistry Particals	38-54
	Identification of Organic Compounds	38
4.	Physical Chemistry Practicals	55-68
1.	To determine the surface tension of given liquid by using salagmometer	55
2.	To determine the relative viscosity of liquid using Ostwald Viscometer	57
3.	To determine the surface tension and compare cleaning power of two detergent	60
4.	To find parachor value of CH ₂ group	62
5.	To determine the percentage composition of given mixture of liquid by viscosity method	64
6.	To determine the heat of solution of potassium nitrate	65