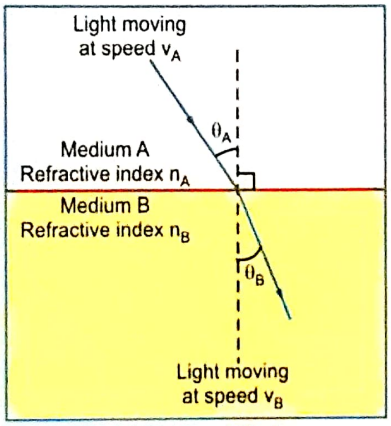
As Per New NEP 2.0 Syllabus 2024

Shivaji University, Kolhapur

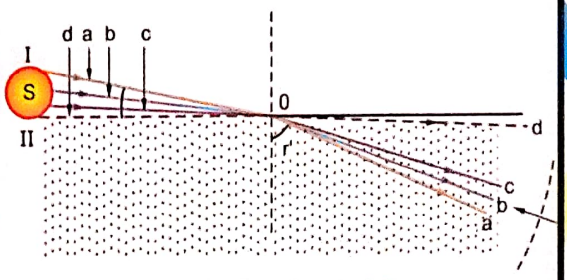
B.Sc. Part-I : Semester-II

PHYSICAL CHEMISTRY

CHEMISTRY (DSC-3B : PAPER-III)



Refraction of light



Critical angle principle

Dr. AVINASH M. NALAWADE

Prof. (Dr.) DNYANDEV N. ZAMBARE

Prof. (Dr.) REKHA A. NALAWADE

Prof. (Dr.) PRAVINA B. PISTE

Prof. (Dr.) ARJUN S. KUMBHAR

NIRALI PRAKASHAN

ADVANCEMENT OF KNOWLEDGE

A TEXT BOOK OF

PHYSICAL CHEMISTRY

(DSC - 3B : Paper-III)

FOR

B.Sc. Part I Chemistry : Semester-II

As Per New Revised NEP-2.0 Pattern Syllabus of Shivaji University, Kolhapur w.e.f. June 2024

Dr. AVINASH M. NALAWADE
M.Sc., M.Phil., Ph.D.
Associate Professor,
P.G. Recognized Teacher, Research Guide,
Lal Bahadur Shastri College,
Satara.

Prof. (Dr.) DNYANDEV N. ZAMBARE
M.Sc., Ph.D.
Vice Principal, Professor and Head,
P.G. Recognized Teacher, Research Guide,
Department of Chemistry,
Kisan Veer Mahavidyalaya, Wai.

Prof. (Dr.) REKHA A. NALAWADE
M.Sc., Ph.D.
Professor, P.G. Recognized Teacher,
Research Guide,
Department of Chemistry,
Lal Bahadur Shastri College, Satara.

Prof. (Dr.) PRAVINA B. PISTE
M.Sc., M.Phil, Ph.D.
Professor and Recognized
Research Guide,
Department of Chemistry,
Rajarshi Chhatrapati Shahu College, Kolhapur.

Prof. (Dr.) ARJUN S. KUMBHAR
M.Sc., Ph.D.
Professor and Recognized Research Guide,
Department of Chemistry,
Vivekanand College,
Kolhapur (Empowered Autonomous).

Price ₹ 60.00

NIRALI PRAKASHAN
ADVANCEMENT OF KNOWLEDGE

N8368

CONTENTS

***

About the Authors

Dr. AVINASH M. NALAWADE
M.Sc., M.Phil, Ph.D.
Associate Professor, P.G. Recognized Teacher, Research Guide,
Lal Bahadur Shastri College, Satara

Prof. (Dr.) DNYANDEV N. ZAMBARE
M.Sc., Ph.D.
Vice Principal, Professor and Head, P.G. Recognized Teacher, Research Guide,
Department of Chemistry, Kisan Veer Mahavidyalaya, Wai.

Prof. (Dr.) REKHA A. NALAWADE
M.Sc., Ph.D.
Professor, P.G. Recognized Teacher, Research Guide, Department of Chemistry,
Lal Bahadur Shastri College, Satara

Prof. (Dr.) PRAVINA B. PISTE
M.Sc, M.Phil, Ph.D.
Professor and Head, Department of Chemistry, P.G. and Ph.D. Recognized Teacher in
Rajarshi Chhatrapati Shahu College, Kolhapur.

Prof. (Dr.) ARJUN S. KUMBHAR
M.Sc., Ph.D.
Professor and Recognised Research Guide, Department of Chemistry,
Vivekanand College, Kolhapur (Empowered Autonomous)

BOOKS AVAILABLE AT

PUNE

Nirali Prakashan : Sur. No. 28/27, Dhayari-Katraj Road, Near Pari Company, Dhayari, Pune - 411 041. Ph. (020) 24690204 Fax: (020) 24690316 • Email: bookorder@pragationline.com

KOLHAPUR

Nirali Prakashan : 438/2, Bhosale Plaza, Shop. No. 3, Khasbag, Opp.Balgopal Talim, Kolhapur. Mob. 9850046155 Email : kolhapur@niralibooks.com

Mehta Book Sellers : Bhausinghji Road, Kolhapur- Tel. (0231) 2541881

Best Book Suppliers : Uchgaon, Kolhapur. Mobile : 9860780143

Granth The Book World : Rajarampuri 5th Lane, Kolhapur. Tel. (0231) 2535355

SANGLI

Nirali Prakashan : Ashok Ganpati Nanaware, C/o. Sunil Dilip Deshpande, Sena Maharaj Mandir Road, 1088/A, Gaobhag, Sangli 416416 Mobile : 9921516852

G. R. Tamhankar Book Sellers : Saraf Naka, Sangli. Tel. (0233) 2329966

Sankpal Book Stall : Near Church,Kapad Peth, Sangli. Tel. (0233) 3226477

MIRAJ

Ratnakar Book Stall : Deval Talkies, Miraj. Tel (0233)2222564

SATARA

Alankar Book Stall : Opp. Science College, Satara. Tel (02162) 220456

Email: niralipune@pragationline.com • Website: www.pragationline.com

Also find us on www.facebook.com/niralibooks

@nirali.prakashan

N8368

ISBN 9361098683