

New CBCS Syllabus of
Shivaji University, Kolhapur
As per NEP-2020
B.Sc. Part-I : Semester-I

INORGANIC CHEMISTRY

CHEMISTRY (DSC-3A) : PAPER-I

General Electronic Configuration of p-Block Elements

Group	(13)	(14)	(15)	(16)	(17)
	III A	IV A	V A	VI A	VII A
Characteristic electronic configuration	$ns^2 np^1$	$ns^2 np^2$	$ns^2 np^3$	$ns^2 np^4$	$ns^2 np^5$
	B $2s^2 2p^1$	C $2s^2 2p^2$	N $2s^2 2p^3$	O $2s^2 2p^4$	F $2s^2 2p^5$
	Al $3s^2 3p^1$	Si $3s^2 3p^2$	P $3s^2 3p^3$	S $3s^2 3p^4$	Cl $3s^2 3p^5$
	Ga $4s^2 4p^1$	Ge $4s^2 4p^2$	As $4s^2 4p^3$	Se $4s^2 4p^4$	Br $4s^2 4p^5$
	In $5s^2 5p^1$	Sn $5s^2 5p^2$	Sb $5s^2 5p^3$	Te $5s^2 5p^4$	I $5s^2 5p^5$
	Tl $6s^2 6p^1$	Pb $6s^2 6p^2$	Bi $6s^2 6p^3$	Po $6s^2 6p^4$	At $6s^2 6p^5$

Prof. (Dr.) DNYANDEV N. ZAMBARÉ Prof. (Dr.) REKHA A. NALAWADE
Prof. (Dr.) PRAVINA B. PISTE Dr. AVINASH M. NALAWADE
Prof. (Dr.) ARJUN S. KUMBHAR

NIRALI PRAKASHAN
PIONEERING IN KNOWLEDGE

About the Authors

Prof. (Dr.) DNYANDEV N. ZAMBARÉ

M.Sc., Ph.D.
Vice Principal, Professor and Head, P.G. Recognized Teacher, Research Guide,
Department of Chemistry, Kisan Veer Mahavidyalaya, Wal.

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.

Prof. (Dr.) Pravina Piste is Professor and Head, Department of Chemistry, Recognized
P.G. and Ph.D. Recognized Teacher in Rajarshi Chhatrapati Shahu College, Kolhapur.

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.) ARJUN S. KUMBHAR

M.Sc., Ph.D.

Professor, DST-SERB Young Scientist, Department of Chemistry, Vivekanand College,
Kolhapur (Autonomous)

BOOKS AVAILABLE AT

PUNE

Nirali Prakashan

: Sit. No. 28/27, Dhayaji-Khadaj Road, Near Fair Company,
Dhayaji, Pune-411 003, Maharashtra
Phone: (020) 24600318 • E-mail: nalawade@niralionline.com

KOLHAPUR

Nirali Prakashan

: 45/2, Bhamburda Plaza, Shop No. 3, Yashwantrao Chavan
Opp. Palkopad Talim, Kolhapur, Maharashtra-415004

Mehta Book Sellers

: Bhamburda Road, Kolhapur - Tel: (0231) 2241087

Best Book Suppliers

: Udgajpur, Kolhapur. Mobile: 9660780143

SRANGLI

: Rajarampur 5th Lane, Kolhapur. Tel: (0231) 2253535

Nirali Prakashan

: Anand Ganesh, Nandgaon, Ch. Suraj Dada Chaudhane,
Sona Mahadevi Mandir Road, 1066A, Gauding, Sangli-416416

G. R. Tamhankar Book Sellers

: Saraf Naka, Sangli. Tel: (0233) 2329966

Sankpal Book Stall

: Near Church, Kopad Peeth, Sangli. Tel: (0233) 3226477

MIRAJ

Ramkrishna Book Stall

: Dewal Taluk, Miraj. Tel: (0233) 2222564

SATARA

Alankar Book Stall

: Opp. Science College, Satara
Tel: (02162) 229459

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

Also find us on www.facebook.com/niralibooks

@niraliprakashan



ISBN 9788173312727

Prof. (Dr.) DNYANDEV N. ZAMBARÉ • Prof. (Dr.) REKHA A. NALAWADE • Prof. (Dr.) PRAVINA B. PISTE • Dr. AVINASH M. NALAWADE • Prof. (Dr.) ARJUN S. KUMBHAR