

TN -PGTRB - REFERENCE BOOKS FOR CHEMISTRY

UNIT-1

Inorganic chemistry – Principles of structure and reactivity – James E.Huheey – 4th Edition

Concise inorganic chemistry – J.D Lee – 5th Edition.

Inorganic chemistry – Miessler and A. Tarr - 3rd Edition.

Advanced inorganic chemistry – R.D Madan . volume -1

Inorganic chemistry – Shriver and Atkins – 5th Edition.

Solid state chemistry and its application – Anthony .R.west.

Inorganic chemistry ; Puri and Sharma

Selected Topics in Inorganic Chemistry - Madan , Tuli & Malik

UNIT – 2

Inorganic chemistry – Principles of structure and reactivity – James E.Huheey – 4th Edition

Concise inorganic chemistry – J.D Lee – 5th Edition.

Inorganic chemistry – Miessler and A. Tarr - 3rd Edition.

Advanced inorganic chemistry – R.D Madan . volume -2

Inorganic chemistry – Shriver and Atkins – 5th Edition.

Inorganic chemistry ; Puri and Sharma

Selected Topics in Inorganic Chemistry - Madan , Tuli & Malik

Concise coordination chemistry – R.Gopalan and V.Ramalingam

Advanced Organic Chemistry - Jerry March's 7th ED.

Organic Chemistry- Volume- 2 - I.L Finar

Stereochemistry of Organic Compounds - D.Nasipuri (or) Ernest L.Eliel

Stereochemistry : Conformation and Mechanism - P.S Kalsi

Advanced Organic Chemistry - Francis A.Carey

UNIT – 3

Advanced Organic Chemistry - Jerry March's 7th ED.

Organic Chemistry- Volume- 2 - I.L Finar

Advanced Organic Chemistry - Francis A.Carey – A , B

Organic reaction mechanisms - Ahlwalia – 4th ED.

UNIT – 4

Principles of Physical Chemistry	- Puri , Sharma & Pathania
Molecular Quantum Mechanics	- Peter W. Atkins, Ronald S. Friedman
Quantum Chemistry	- R.K Prasad 4 th ED.
A Simple approach to Group theory in Chemistry	- S.Swarnalakshmi
Chemical Application of Group Theory	- F.Albert Cotton

UNIT – 5

Principles of Physical Chemistry	- Puri , Sharma & Pathania
Physical Chemistry	- Atkins
Physical Chemistry	- Ira.Levine
Thermodynamics for chemists	- Samuel Glasstone
Chemical thermodynamics	- J.Rajaram , J.C .Kuriacose
Instrumental methods for chemical analysis	- R.Chatwal & K.Anand (or) B.K .Sharma
Instrumental methods of analysis	- Willard merritt
Principles of instrumental analysis	- Holler , Skoog & Crouch

UNIT – 6

Essentials of Nuclear Chemistry	- H.J Arnikar .4 th ED.
Inorganic chemistry	- Puri and Sharma
Nuclear and Radiochemistry	- Gerhart Friedlander
Introductory nuclear physics	- Kenneth S.Krane
Advanced Inorganic Chemistry	- Cotton & Wilknsn 6 th ED.
Inorganic chemistry	- James E.Huheey – 4 th Edition
Basic organometallic chemistry	- B.D Gupta , A.J Elias

UNIT -7

Inorganic chemistry – Principles of structure and reactivity – James E.Huheey – 4 th Edition
Concise inorganic chemistry – J.D Lee – 5 th Edition.
Inorganic chemistry – Miessler and A. Tarr - 3 rd Edition.
Inorganic chemistry – Shriver and Atkins – 5 th Edition.
Inorganic chemistry - Puri and Sharma
Selected Topics in Inorganic Chemistry - Madan , Tuli & Malik
Physical Chemistry - Atkins
Principles of Physical Chemistry - Puri , Sharma & Pathania

Fundamentals of molecular spectroscopy – C.N Banwel

Introduction to spectroscopy – Pavia

UNIT – 8

Advanced Organic Chemistry	- Jerry March's 7 th ED.
Photochemistry and Pericyclic Reaction	- Jagdamba Singh
Advanced Organic Chemistry : Part A , B	- Francis A.Carey
Modern Methods of Organic Synthesis	- William Carruthers 4 th ED
Organic Reaction Mechanisms	- Ahluwalia
Organic chemistry	- Clayden
Reaction , Rearrangements and reagent	- S N.Sanyal
Reaction & Reagent	- O.P Agarwal

UNIT – 9

Principles of Physical Chemistry	- Puri , Sharma & Pathania
Physical Chemistry	- Atkins
Physical Chemistry	- Ira.Levine
Physical Chemistry	- Mortimer
Chemical Kintics	- Keith J. Laidler 3 rd ED.
An introduction to electrochemistry	- Samuel Glasstone
Modern Electrochemistry 1 and 2A	- John O'M Bokris & Reddy

UNIT – 10

Principles of Physical Chemistry	- Puri , Sharma & Pathania
Fundamentals of molecular spectroscopy – C.N Banwel (or)	P.S Sindhu
Introduction to spectroscopy – Pavia	
Organic spectroscopy - Jog mohan	
Organic spectroscopy - Y.R Sharma (or) William kemp	
Polymer Science - V.R Gowariker	
Text book of polymer science – Fred .W Billmeyer	
Polymer chemistry – B.K Sharma	