
Bsc With Chemistry Cbcs Syllabus 2016 17

Chemistry for Degree Students B.Sc. First Year
(LPSPE)

B.Ed Chemistry Programme

Chemistry (Paper 1) Organic Synthesis - B

Elementary Organic Spectroscopy

College Practical Chemistry

Chemistry for Degree Students B.Sc. Second Year

Chemistry for Degree Students B.Sc. Semester - I

(As per CBCS)

Analytical Chemistry: Skill Enhancement Course

Chemistry for Degree Students B.Sc. Semester -

III (As per CBCS)

Stereochemistry Conformation and Mechanism

Essentials of Physical Chemistry 28th Edition

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IV (As per CBCS)

Inorganic Chemistry-II (For M.Sc. Course for

Universities in Uttarakhand)

S.Chands Success Guide (Q&A) Inorganic

Chemistry

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Advanced Physical Chemistry

Bioorganic and Medicinal Chemistry (Chemistry)

(English Edition)

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Chemical Dynamics & Coordination Chemistry |
Physical Analysis (NEP-UP)
Progressive Chemistry
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Fundamentals of Chemistry (English Edition)
Chemistry for Degree Students B.Sc. (Honours)
Semester II, 1/e (As per CBCS)
Chemistry for Degree Students B.Sc. Third Year
Chemistry: for B.Sc. Students Semester-I (NEP-
UP)
Physical Chemistry Through Problems
Inorganic and Organic Chemistry
Textbook of Chemistry (For B.Sc. First Semester
of HP University, Shimla)
Advanced Organic Chemistry
Chemistry for Degree Students B.Sc. Semester - II
(As per CBCS)
Chemistry (Paper 2) Chemical Energetics and
Radio Chemistry
Advanced Physical Chemistry
Physical Chemistry
Practical Organic Chemistry
Physical Chemistry
Chemistry for Degree Students (B.Sc. Elective
Semester-V/VI - Elective-II) (As per CBCS)
Chemistry
Stereochemistry of Organic Compounds
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Students)
Chemistry for B.Sc. Students Semester II (NEP-UP)

*Bsc With
Chemistry
Cbcs
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ALANI RAMOS

Chemistry for Degree Students B.Sc. First Year

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Publishing

A textbook for B.Sc
Classes as per the UGC
Model Syllabus. The
book is visually
beautiful and authors
communicate their
enthusiasm and
enjoyment of the
subject in every
chapter. This textbook
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and universities
throughout the country
and is a national best-
seller. There are
hundreds of computer-
generated coloured
diagrams, graphs,
photos and tables .

B.Ed Chemistry
Programme Thakur

Publication Private
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This textbook has been
designed to meet the
needs of B.Sc. students
of Chemistry as per the
UGC Choice Based
Credit System (CBCS).
It covers one of the
discipline specific
elective (DSE) papers,
discussing topics such
as Quantum Chemistry,
Spectroscopy and
Photochemistry. With
its traditional approach
to the subject, this
textbook lucidly
explains principles of
chemistry. Laboratory
work has also been
included to help
students achieve solid
conceptual
understanding and
learn experimental
procedures.

*Chemistry (Paper 1)
Organic Synthesis - B*
S. Chand Publishing
For B.Sc 3rd year
students of all Indian

Universities. The book has been prepared keeping view the syllabi prepared by different universities on the basis of Model UGC Curriculum. A large number of illustrations, pictures and interesting examples have been provided to make the reading interesting and understandable. The question that have been provided in the Exercise are in tune with the latest pattern of examination.

Elementary Organic Spectroscopy S.

Chand Publishing
This book is the text book of Inorganic and Organic Chemistry S.Y.B.Sc. PAPER-II [CH-302] Semester-III written for second year B.Sc. students of Savitribai Phule Pune University. The book is written according to

the New Revised Choice Based Syllabus (CBCS) of Savitribai Phule Pune University to be implemented from June 2020. This book written in easy and lucid language to understand valence bond theory, molecular orbital theory, bond formation in molecules, co-ordination compounds, structure and reactivity benzene and their analogs, alkyl halides, aryl halides, alcohols, phenols, ethers and their nomenclature, preparation and reactions. For the self study, exercise is added with short answer type questions, brief answer type questions, multiple choice questions (MCOs) and true-false type questions. College Practical Chemistry S. Chand

Publishing

This book entitled "Inorganic Chemistry-II", is an effort to present the subject matter in a comprehensible and easily understandable form. This textbook is purposefully prepared for the postgraduate Inorganic Chemistry second semester course and it covers all the topics recommended.

Chemistry for Degree Students**B.Sc. Second Year S.**

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This textbook has been designed to meet the needs of B.Sc. (Honours) Second Semester students of Chemistry as per the UGC Choice Based Credit System (CBCS). Maintaining the traditional approach to the subject, this textbook lucidly

explains the basics of Organic and Physical Chemistry. Important topics such as alkanes, alkenes, alkynes, stereochemistry, aliphatic hydrocarbons, thermochemistry, chemical thermodynamics and chemical equilibrium are aptly discussed to give an overview of organic and physical chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.

Chemistry for Degree Students**B.Sc. Semester - I (As per CBCS) S.**

Chand Publishing
This textbook has been designed to meet the needs of B.Sc. Second Semester students of Chemistry as per

Common Minimum Syllabus prescribed for all Uttar Pradesh State Universities and Colleges under the recommended National Education Policy 2020. Maintaining the traditional approach to the subject, this textbook comprehensively covers two papers, namely, Bioorganic and Medicinal Chemistry and Biochemical Analysis. Important theoretical topics such as chemistry of carbohydrates, proteins & nucleic acids, laws of crystallography, introduction & classification of monomers, oligomers, polymers are aptly discussed to give an overview of Bioorganic and Medicinal Chemistry. Practical part covering

Biochemical Analysis has been presented systematically to help students achieve solid conceptual understanding and learn experimental procedures.

**Analytical
Chemistry: Skill
Enhancement**

Course S. Chand
Publishing

This textbook has been designed to meet the needs of B.Sc. Third Semester students of Chemistry as per the UGC Choice Based Credit System (CBCS). With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Important topics such as solutions, phase equilibrium, conductance, electrochemistry, carboxylic acids, amines, diazonium

salts, amino acids, peptides, proteins and carbohydrates are aptly discussed to give an overview of physical and organic chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.

Chemistry for Degree Students B.Sc.

Semester - III (As per CBCS) S. Chand

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H.P.Shimla

Stereochemistry

Conformation and

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students of all Indian

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has been prepared

keeping view the

syllabi prepared by

different universities

on the basis of Model UGC Curriculum. A large number of illustrations, pictures and interesting examples have been provided to make the reading interesting and understandable. The question that have been provided in the Exercise are in tune with the latest pattern of examination.

Essentials of Physical Chemistry 28th Edition

John Wiley & Sons

Stereochemistry has

always occupied a

central position and is

pivotal to the practice

of organic chemistry. A

solid understanding of

this subject is indeed

critical to subsequent

success in a science

career.

Stereochemistry is,

therefore, a core

constituent both at the

undergraduate and

postgraduate

chemistry courses. This seventh edition is extensively revised and enlarged by adding new material to take account of recent developments and extensive amendments have been made to improve clarity. The key features of this new addition are: a brand new design. Incorporation of basic principles in boxes directly links the students to the main text;, and a large number of exercises with their solutions have been now added in each chapter. These exercises are set at appropriate places so that the students can test their command of a particular topic. New problems have been added at the end of each chapter. Chemical illustrations have been modified and

developed for clarity and information. Generally the figures contain text as well, to decrease the need to refer back and forth to the text and for better understanding.

Chemistry for Degree Students B.Sc.

Semester - IV (As per CBCS) John Wiley & Sons

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Inorganic Chemistry-II (For M.Sc. Course for Universities in Uttarakhand)

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proudly presents the "Bioorganic and Medicinal Chemistry" e-Book, designed specifically for B.Sc

2nd Year students at U.P. State Universities. This comprehensive e-Book serves as an essential resource for students studying the intriguing field of bioorganic and medicinal chemistry. Written by knowledgeable experts in the field, this English edition e-Book covers the common syllabus prescribed by U.P. State Universities. It provides a detailed exploration of the principles and applications of bioorganic and medicinal chemistry, offering students a deeper understanding of the interdisciplinary nature of this subject.

S.Chands Success Guide (Q&A) Inorganic Chemistry New Age International

About the Book: This is a comprehensive book

of Physical Chemistry especially written for B. Sc. II year and B. Sc. III year students of Indian universities based on the model syllabus prepared by UGC, New Delhi. The book is written in a simple language and gives a comprehensive detail of the subject with latest developments. There are 11 Chapters in the book. The book is equally useful to students and teachers. Some special Chapters like Surface Chemistry-Adsorption and Surface Topography, Molecular Spectroscopy and Diffraction Techniques have also been included in this book.

Contents:

Thermodynamics-I
Thermodynamics-II
Solutions Phase Equilibria, Phase Diagrams and Distribution Law

Chemical Equilibrium
Photochemistry
Electrochemistry-I
Electrochemistry-II
Molecular
Spectroscopy Surface
Chemistry-Adsorption
and Surface
Topography Diffraction
Techniques.

**Chemistry for
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*Advanced Physical
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FOR B.Sc . I , II & III
YEAR STUDENTS

Bioorganic and
Medicinal Chemistry
(Chemistry) (English
Edition) S. Chand

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inclusion compounds,
charge transfer
complexes and
clathrates in chapter
1 of organic chemistry
has been rewritten to
cover them thoroughly.

A new chapter
Thermodynamics -I
containing first law of
thermodynamics and
thermochemistry,
which forms a part of
syllabus for B.Sc.-I year
in some universities.

**Chemistry for B.Sc.
Students - Semester
III: Chemical
Dynamics &
Coordination**

**Chemistry | Physical
Analysis (NEP-UP)** S.

Chand Publishing
This textbook has been
designed to meet the
needs of B. Sc. First
Semester students of
Chemistry as per
Common Minimum

Syllabus prescribed for all Uttar Pradesh State Universities and Colleges under the recommended National Education Policy 2020. Maintaining the traditional approach to the subject, this textbook comprehensively covers two papers, namely, Fundamentals of Chemistry and Quantitative Analysis. Important theoretical topics such as molecular polarity & weak chemical forces, simple bonding theories of molecules, periodic properties of atoms, basics of organic chemistry, mechanism of organic reactions, stereochemistry and the mathematical concepts of chemistry are aptly discussed to give an overview of Fundamentals of

Chemistry. Practical part covering Quantitative Analysis has been presented systematically to help students achieve solid conceptual understanding and learn experimental procedures.

Progressive

Chemistry S. Chand Publishing

An outgrowth of more than three decades of classroom teaching experience, this book provides a comprehensive treatment of the subject. It comprises three parts; Inorganic, Organic and Physical Chemistry. Illustrations and diagrams are provided to help students in understanding the chemical structures and reactions. This book will meet the requirements of

undergraduate students of B.Sc. First Year of all Indian universities.
Vogel's Qualitative Inorganic Analysis, 7/e
 Thakur Publication Private Limited
 Stereochemistry of Organic Compounds
 The first fully referenced, comprehensive book on this subject in more than thirty years, Stereochemistry of Organic Compounds contains up-to-date coverage and insightful exposition of all important new concepts, developments, and tools in the rapidly advancing field of stereochemistry, including: *
 Asymmetric and diastereoselective

synthesis *
 Conformational analysis * Properties of enantiomers and racemates * Separation and analysis of enantiomers and diastereoisomers *
 Developments in spectroscopy (including NMR), chromatography, and molecular mechanics as applied to stereochemistry *
 Prostereoisomerism *
 Conceptual foundations of stereochemistry, including terminology and symmetry concepts *
 Chiroptical properties
 Written by the leading authorities in the field, the text includes more than 4,000 references, 1,000 illustrations, and a glossary of stereochemical terms.

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