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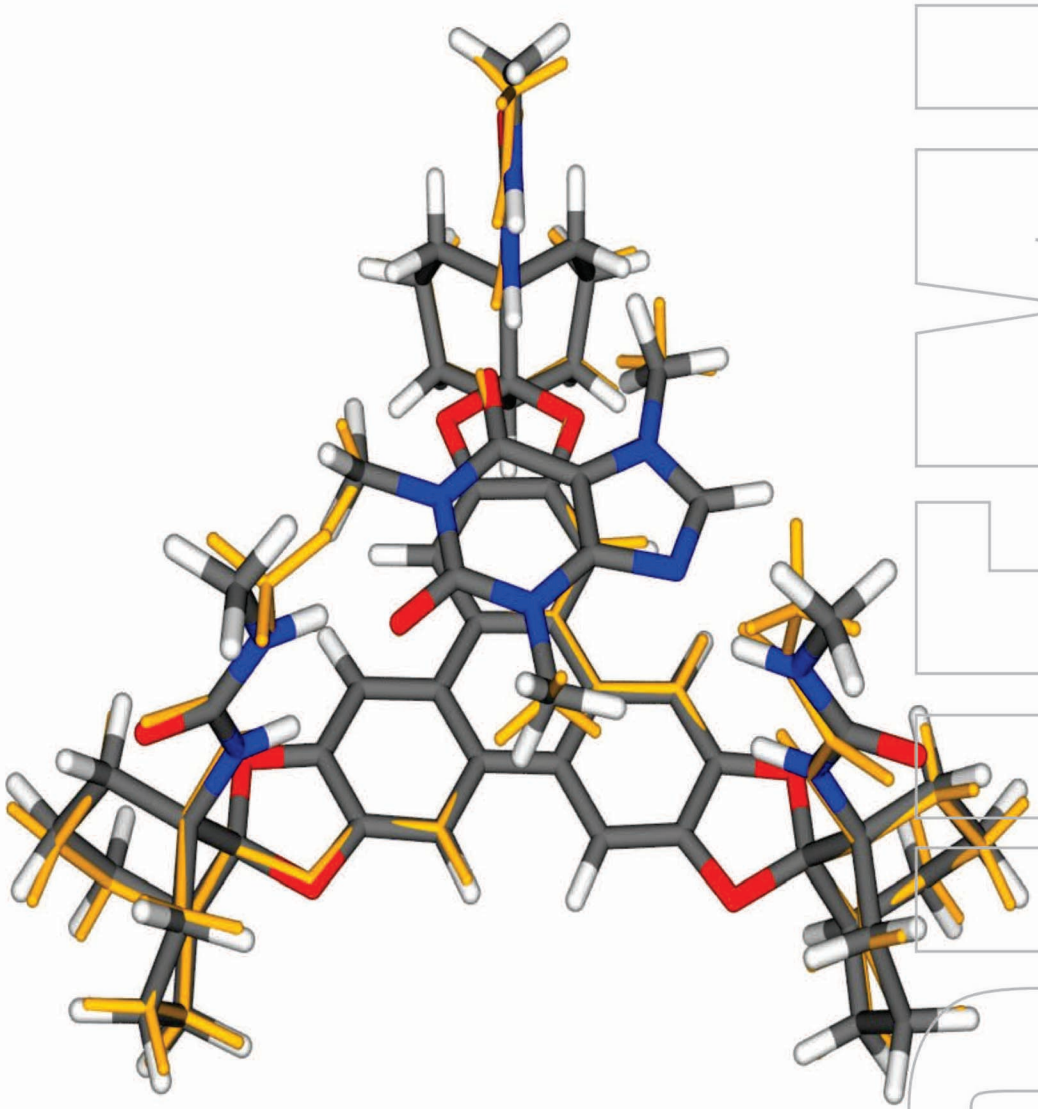
## CLASS XII



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# CHEMISTRY

**Volume I**

**CLASS XII**

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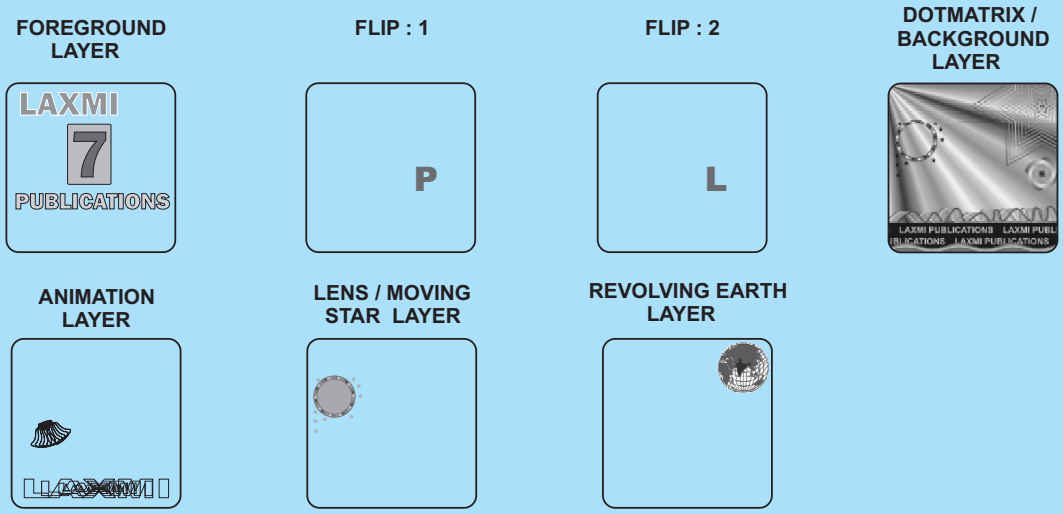


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# CHEMISTRY

## Volume I

*For*

**Class XII**

*Strictly according to the latest syllabus prescribed by*

**Central Board of Secondary Education (CBSE)**
**and**
**State Boards of Chhattisgarh, Haryana, Bihar, Jharkhand, Kerala, Mizoram, Meghalaya, Punjab, Uttarakhand and other States following NCERT curriculum**


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# PREFACE

We take immense pleasure in presenting the thoroughly revised edition of Comprehensive Chemistry for the students of class XII under the 10 + 2 pattern of education. The book has been written according to the latest syllabus and guidelines issued by Central Board of Secondary Education. This book has been so designed as to fulfil the requirements of upcoming scholars and readers who are moving towards a better understanding of the fundamentals of chemistry. The book primarily aims at developing a systematic and conceptual approach towards different topics. For convenience, the book has been split up into **TWO VOLUMES**. **VOLUME-I** lays emphasis on the basic subject matter required for the Board Examination. **VOLUME-II**, on the other hand, contains subject matter and questions for various competitive examinations. It also contains **Solutions/Hints** of selected Intext Practice Problems, Value Based Questions and Comprehensive Exemplar Problems of Volume-I. While developing the text, special attempt has been made to keep the language and presentation as simple as possible and also to make it concise and free from confusion.

Some **significant features** of the book are as follows:

- The book has been revised according to the new syllabus and the style followed by NCERT textbooks.
- A number of **VALUE BASED QUESTIONS** have been added in various chapters at appropriate places.
- Appreciable number of Solved numericals/Descriptive problems have been given section-wise wherever required. They also include the solution of **INTEXT PROBLEMS of NCERT** Textbook.
- In order to help the students in revision and to develop self confidence a large number of problems have been given in classified form under the heading **PRACTICE PROBLEMS,** at the end of each section in Volume-I. The **Solutions/Hints** of these intext **Practice Problems** and **Value Based Questions** are given in Volume-II of the book.
- A large number of questions/numericals involving **Higher Order Thinking Skills (HOTS)** have been given separately as solved questions in each unit.
- The solutions of all the problems of NCERT Textbook Exercise have been given at the end of each unit.
- A summary of the whole chapter is given at the end of each unit. In each unit knowledge boosters have been given as box items under the heading **Knowledge Plus**.
- Exercise at the end of each unit of Volume-I has been restructured as **Comprehensive Exemplar Problems,** which contains, **MCQs** (Type I and II), **Matching Type Questions, Very Short Answer Questions, Short Answer Questions** and **Long Answer Questions.**
- In order to meet the requirement of growing demands of competitive examinations. **Volume II** has been enriched with Additional/Advance Level Topics ; Objective Type Questions including *MCQs, Assertion-Reason Type Questions, Matrix-Match Type Questions, Integer-Answer Type Questions* and *Questions based on comprehension ability* along with Answers and Hints/Solutions of most of the questions.
- Some Topics such as ORGANIC CONVERSIONS; ORGANIC NAME REACTIONS; ISOMERISM and STEREOCHEMISTRY are given in Appendices at the end of the Volume-II of the book.
- A special effort has been made to minimise errors and omissions.

We are sure that the book in the present form will be appreciated by our learned colleagues and students. We shall be glad to receive constructive suggestions for the further improvement of the book. Last but not the least we express our sense of gratefulness to M/s LAXMI PUBLICATIONS (P) LTD. and their staff for bringing out the present edition of the book well in time.

**—AUTHORS**

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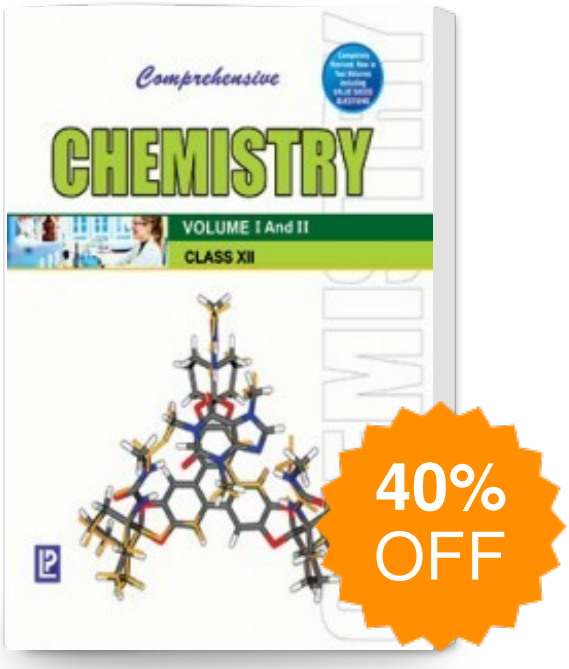


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