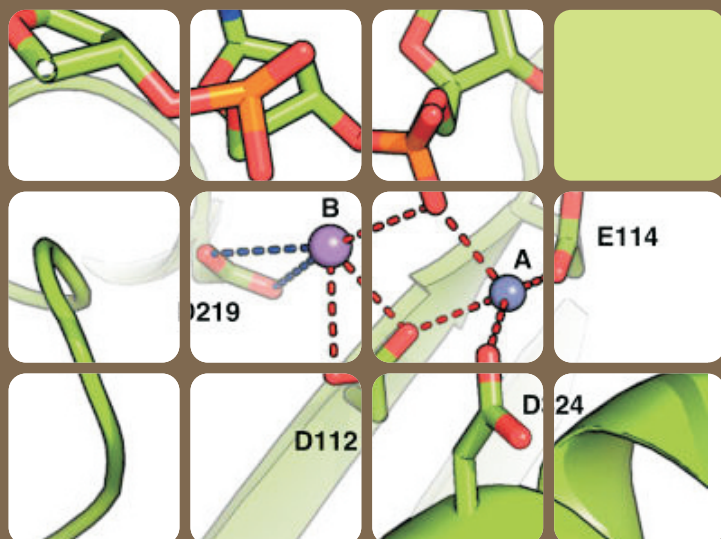


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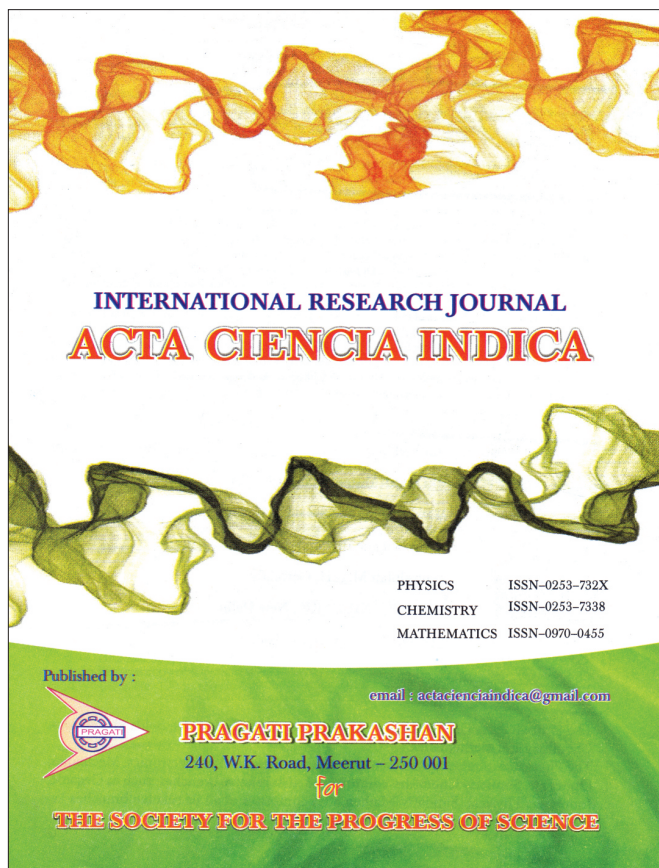
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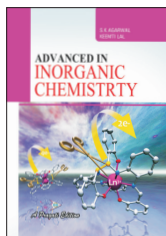
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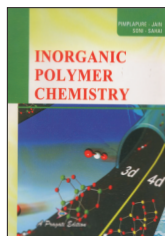
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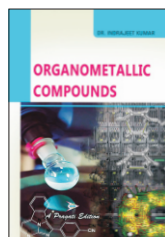
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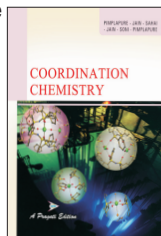
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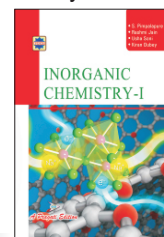
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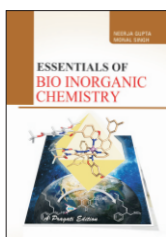
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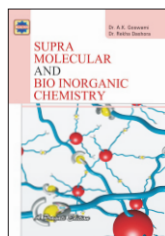
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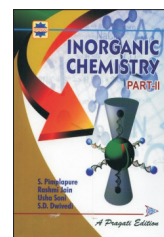
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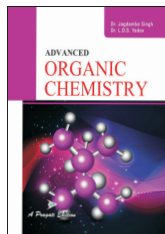
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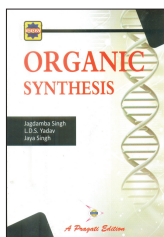


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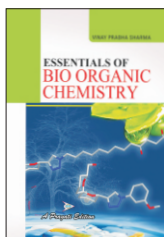
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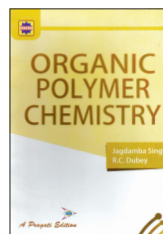
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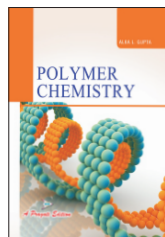
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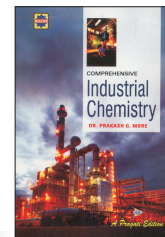
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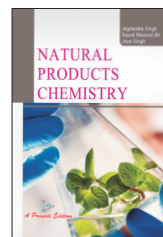


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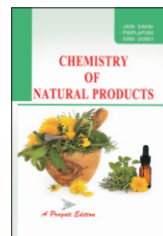
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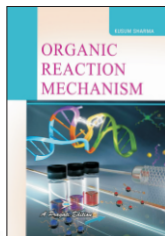
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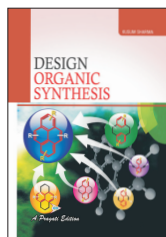


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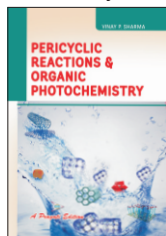
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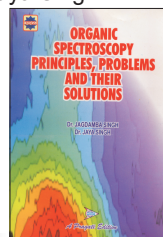
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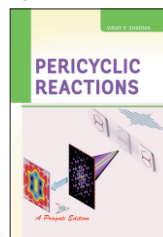
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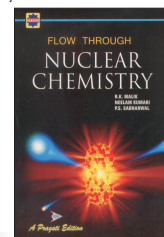
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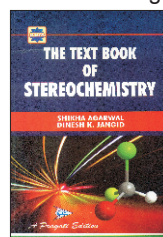


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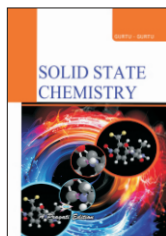


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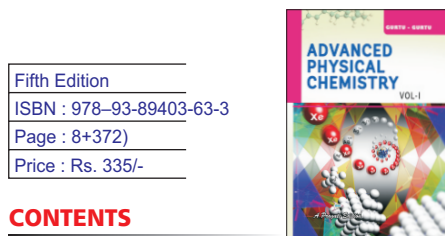
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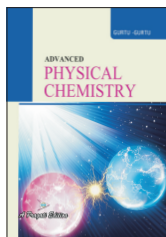
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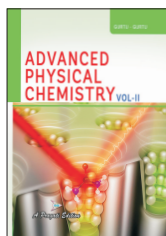
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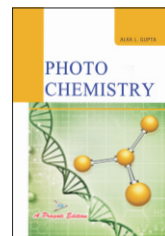
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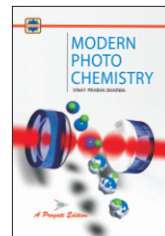
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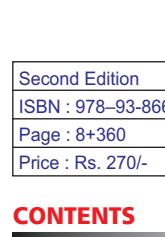
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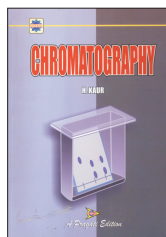
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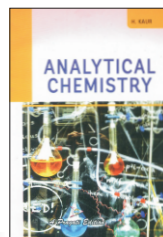
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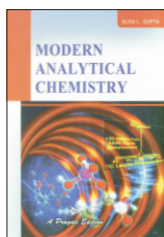
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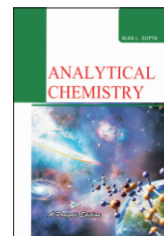
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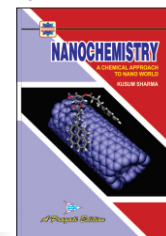
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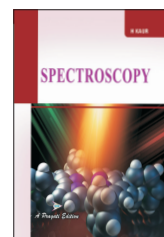
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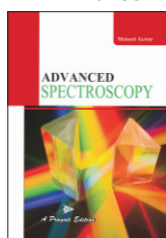
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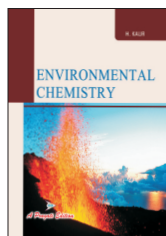
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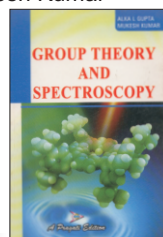
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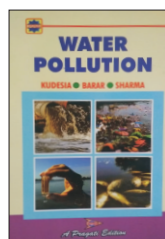


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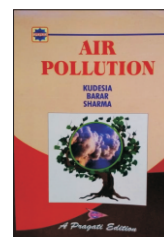
### CONTENTS

Water and Water Balance, Common Terms Relating to Water Pollution; Sources of Water Pollution; Pollution Kinetics and Reaction Mechanism; Instrumental Methods of Analysis; Ultra Modern Techniques for Analysis of Environmental Pollutants; Disinfection and Some Methods; Disinfection of Chlorine; Disinfection by Bromine; Disinfection by Iodine; Disinfection by Chlorine Dioxide; Disinfection by Potassium Permanganate; Pesticides and Environmental Pollution; Analytic Methods for the Determination of Herbicides, Disinfectants and Pesticides with Methods for Pollution Control; Plastics and Water Pollution; Marpol; Heavy Metals and Water Pollution; Radioactivity and Pollution; Oil Pollution in Water; The Ganga Action Plan; River Water Pollution; Waste Water Treatment, Use of Low and Non Waste; Water Analysis; Physico-chemical and Biological Examination of Water; Standards of Quality of water; Miscellaneous Water Treatment Process; System Modelling and System Analysis; Water Technology; Trace

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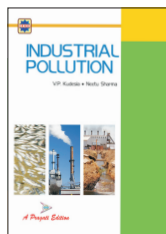
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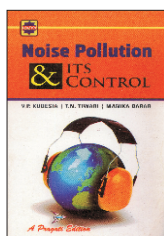
### CONTENTS

Introduction; Pollution Science Terminology; Surface and Ground Water Pollution; Soil Pollution; Radioactive Pollution; Marine or Sea Pollution; Air Pollution; Pesticide and Plastic Pollution; Electronic Recycling and Electronic Waste Management; Noise Pollution; Odour Pollution of Air; Chemical Pollution; Radiation Pollution; Biomedical Waste; Metal Toxicity; Simple Methods for preservation and Collection of Samples; Methods for the Determination of Basic Pollution Parameters; Disinfection by Various Methods; Disinfection by Chlorine;

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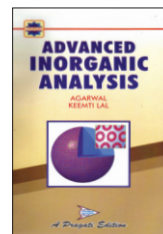
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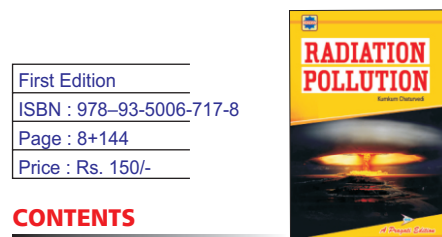
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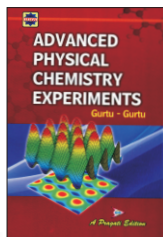
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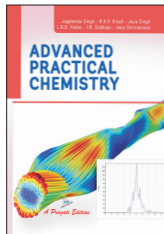


### CONTENTS

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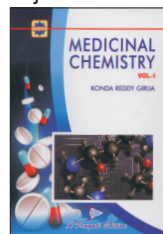
### CONTENTS

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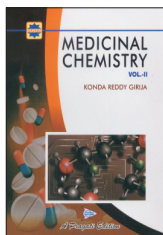


### CONTENTS

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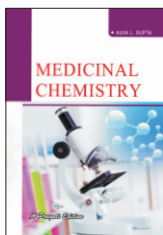
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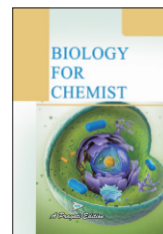
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Introduction; Drug Design; Combinatorial Chemistry; Pharmacokinetics; Pharmacodynamics; Antineoplastic Agents; Cardiovascular Drugs; Local Anti-infective Drugs; Psychoactive Drugs; Anti-biotics; Autocoids; Analgesics and Antipyretics; Diuretics; Diagnostic Aids; Synthesis of Some Cardiovascular Agents; Appendix, Suggested Readings.

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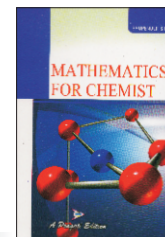
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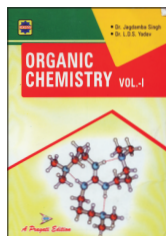
Introduction to Computer, Hardware and Software Components, Introduction to DOS,

Unix : An Operating System, Windows-The GUI Environment, Principles of Programming; Programming in Basics, Fortran Programming, Programming With C-Language, Computers and Chemistry, Mathematical Concepts in Computing, Working with Foxpro, Word Processing Package : MS-Word, Introduction to Lotus 1-2-3, Technical Computing Using Matlab.

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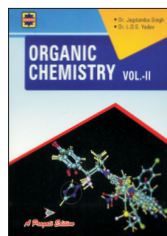
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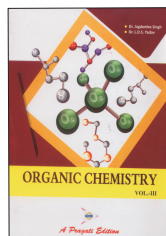
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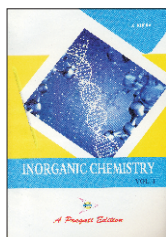
#### CONTENTS

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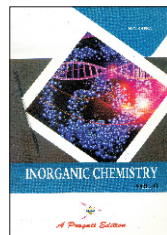
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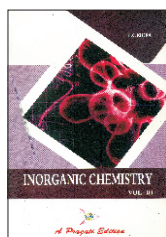
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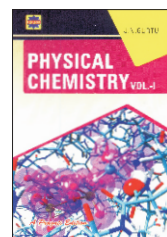
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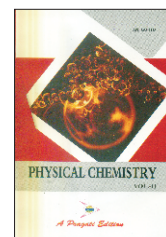
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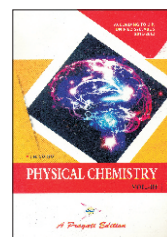
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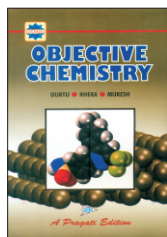
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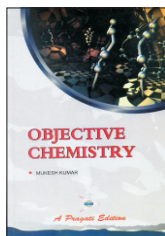
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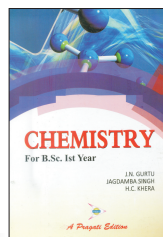
**Inorganic Chemistry** : Structure and Atom; Periodic Properties of Elements; Chemical Bonding; s-Block Elements; p-Block Elements; Noble Gases.

**Organic Chemistry** : Structure and Bonding; Mechanism of Organic Reactions; Stereo Chemistry of Organic Compounds; Alkanes and Cycloalkanes; Alkenes Cycloalkenes Dienes and Alkynes; Arenes and Aromaticity; Alkyl and Aryl Halide.

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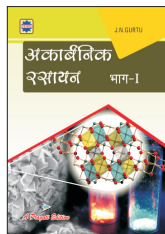
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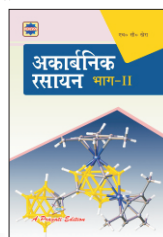
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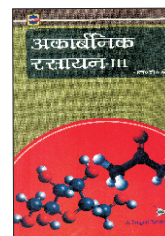
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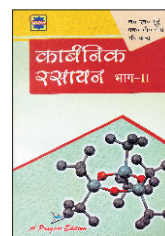
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## कार्बनिक रसायन-2

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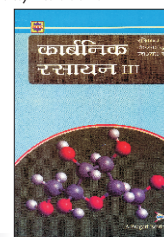
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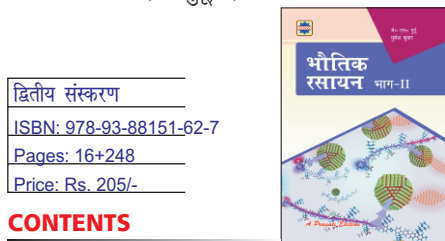


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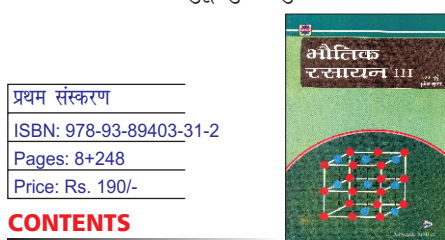


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## बी० एस-सी० रसायन (प्रथम वर्ष)

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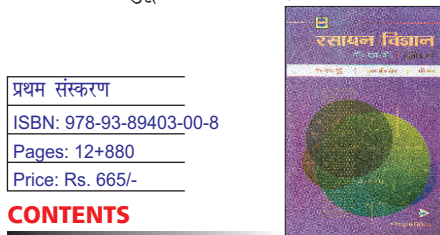
वल्कफुड जल; u % इलेक्ट्रॉन की द्वैती प्रकृति; आवर्त-सारणी तथा तत्वों के आवर्ती गुण; रासायनिक बन्ध; s-ब्लॉक तत्व; p-ब्लॉक तत्व; उत्कृष्ट गैसों का रसायन।

वल्कफुड जल; u % कार्बनिक यौगिकों की संरचना एवं रासायनिक बन्ध; कार्बनिक अभिक्रियाओं की क्रियाविधि; कार्बनिक यौगिकों का त्रिविम रसायन, ऐल्केन तथा साइक्लोऐल्केन, ऐल्कीन, साक्लोऐल्कीन, डाईन तथा ऐल्काइन; ऐल्किल एवं ऐरिल हैलाइड; ऐरीन तथा ऐरोमैटिकता।

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## बी० एस-सी० रसायन (द्वितीय वर्ष)

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वल्कफुड जल; u % वैद्युत चुम्बकीय स्पेक्ट्रम : अवशोषण स्पेक्ट्रम; ऐल्कोहॉल; फीनॉल; ईथर एवं इपॉक्साइड; ऐलिहाइड एवं कीटोन; कार्बोक्सिलिक अम्ल; कार्बोक्सिलिक अम्लों के व्युत्पन्न; नाइट्रोजन के कार्बनिक यौगिक (नाइट्रो यौगिक); नाइट्रोजन के कार्बनिक यौगिक (ऐमीन); नाइट्रोजन के कार्बनिक यौगिक (ऐरोमैटिक डाइऐमो यौगिक) वल्कफुड जल; u % उष्मागतिकी-I; रासायनिक साम्यावस्था; ऊष्मागतिकी-II; विद्युत रसायन विलयन-I; विद्युत रसायन विलयन-II; प्रावस्था साम्यावस्था

## बी० एस-सी० रसायन (तृतीय वर्ष)

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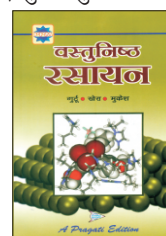
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वल्कफुड जल; u % वैद्युत चुम्बकीय स्पेक्ट्रम : अवशोषण स्पेक्ट्रम; ऐल्कोहॉल; फीनॉल; ईथर एवं इपॉक्साइड; ऐलिहाइड एवं कीटोन; कार्बोक्सिलिक अम्ल; कार्बोक्सिलिक अम्लों के व्युत्पन्न; नाइट्रोजन के कार्बनिक यौगिक (नाइट्रो यौगिक); नाइट्रोजन के कार्बनिक यौगिक (ऐमीन); नाइट्रोजन के कार्बनिक यौगिक (ऐरोमैटिक डाइऐमो यौगिक) वल्कफुड जल; u % परिचयात्मक क्वान्टम यांत्रिकी, स्पेक्ट्रोस्कोपी, भौतिक गुणधर्म तथा आणविक संरचना, प्राथमिक क्वान्टम यांत्रिकी, धूर्णी स्पेक्ट्रम, कम्पनिक स्पेक्ट्रम, रमन स्पेक्ट्रम और इलेक्ट्रॉनिक स्पेक्ट्रम, प्रकाश रसायन, विलयन, तनु विलयन तथा अणुसंख्य गुणधर्म।

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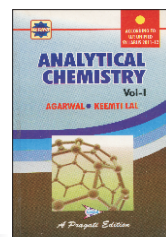
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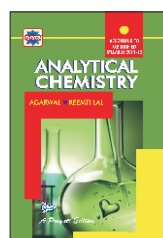


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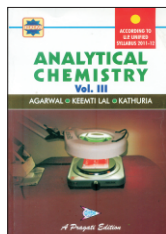
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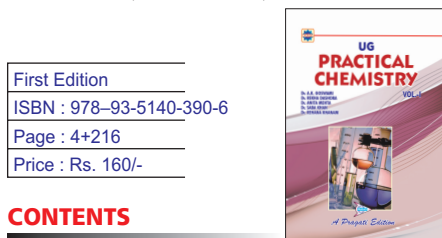
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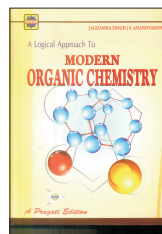
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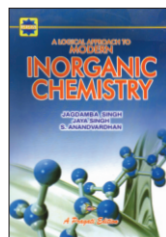
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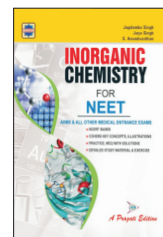
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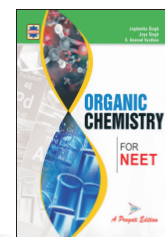
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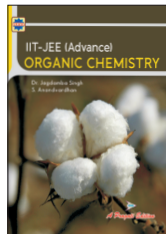
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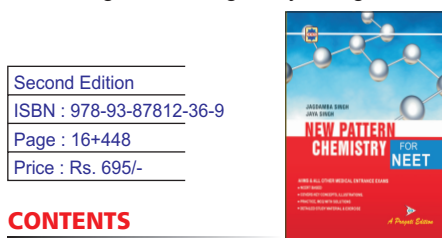
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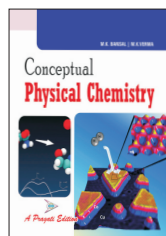
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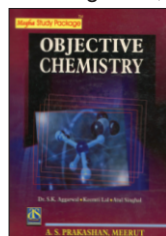
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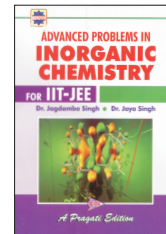
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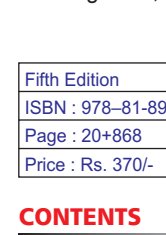
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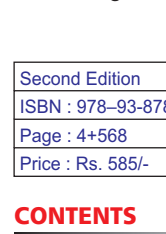
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