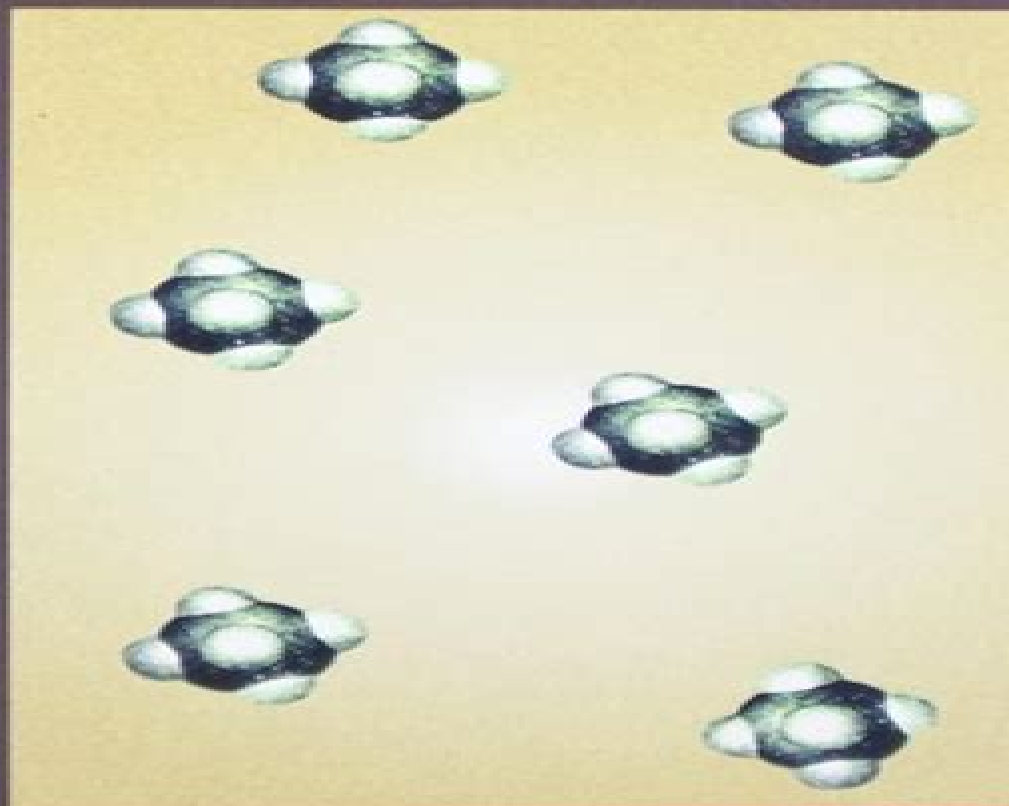


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An advanced level textbook of organic chemistry for the graduate B Sc and postgraduate M Sc students of Indian and foreign universities This book is a part of the four volume series entitled A Textbook of Organic Chemistry Volume I II III IV

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relationship between 2 molecules that are stereoisomers of each other It has more than a dozen flow charts to help you solve problems Mechanisms are color coded so that you can keep up with each atom in the reaction Each reaction or mechanism in a chapter has a summary chart that includes the important information about the reaction including its stereochemistry and regiochemistry The end of each chapter contains a compilation of the summaries of all the reactions in the chapter Chapters also include study tips and ways to avoid common mistakes This volume includes extensive coverage of infrared spectroscopy including specific example spectra and visual charts showing the shape and strength of typical absorptions for each of the important bond types The volume ends with in depth coverage of proton NMR spectroscopy with a focus more on how to interpret NMR spectra than on the theory of NMR The author goes through the thought processes needed to successfully interpret the proton NMR spectra of unknown compounds This proton NMR coverage includes ten specific examples of solving for the structure of an unknown Organic compound using the molecular formula and the ¹H NMR spectrum Some ¹H NMR examples include the IR spectrum as well The book does include some repetition of material since the author believes that repetition is necessary to learn concepts The summaries at the end of each chapter are a repetition of what was taught earlier in the chapter that can be used as a study guide The reason that this book is split into two volumes is the fact that it exceeds the maximum page length for a book distributed by Amazon com The author tried to split the book in such a way that the topics usually covered in the first semester organic chemistry course are in the first volume while the topics usually covered in the second semester organic chemistry course are in the second volume Perfect for studying for the MCAT PCAT and other pre professional exams Note that the index includes pages from both volumes

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