

BOOK REVIEW

The Principles of Organic Chemistry written by Dr. Arun Kumar, Department of Chemistry, K.C.T.C. College, Raxaul, Bihar, India. Published by Lucent Publication, Patna, India, 2010, Price Rs. 133.00 (Binding Hard bound) Pages :292.

As the available books on the subject are mostly imported and are either too advanced or too brief to meet the requirements of students. This book, dealing with the elements of organic chemistry, comprising nomenclature of organic compounds, purification as well as qualitative and quantitative analysis of organic compounds, isomerism and optical activity, reaction mechanism and rearrangements, has been written keeping in view both the difficulties experienced by the students in collecting the scattered information from different books and journals and the syllabi of almost all the Indian universities. Students can achieve the exhaustive knowledge of the subject from this book.

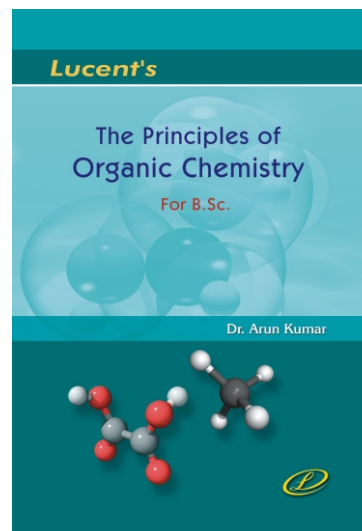
An exhaustive treatment has been given to different types of organic reactions viz. Nucleophilic substitution at the saturated carbon, addition to multiple bonds, aromatic substitution, elimination reactions etc.

The intermediates encountered in organic chemistry have been broadly classified in to ionic and free radical intermediates. The formation, stability and structures of the ionic intermediates are also discussed. Certain reactive intermediates like carbenes, benzyne and nitrenes which have gained importance as synthetic importance have been also discussed.

Apart from these the other important part of organic chemistry viz nomenclature of organic compounds and isomerism (Structural as well as Stereo) have been also discussed in detail. I am of the opinion that without knowing names and structures of compounds, it is improper for someone to study their other features.

As the paper and printing quality is concerned, it is excellent. I very much hope that the book will be fulfill the needs of teachers and students.

I suggest that some more topic regarding organic compounds may also be included in the further edition to make the book more informative.



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