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General Material 4444 View Total Page 1 Loaded 1 year ago COURSE SUMMARY Pharmaceutical Organic Chemistry II - Theory Pharmaceutical Organic Chemistry II - Theory is a course offered in the third semester of the B. Pharm program at the School of Pharmacy, Campus Medical Sciences, Amrita Vishwa Vidyapeetham. Duration: 45 Hours Scope: This subject focuses on general methods of preparing and reacting to some organic compounds. It also studies the reactivity of organic compounds. The curriculum focuses on the mechanisms and orientation of reactions. The chemistry of fats and oils is also included in the curriculum. Goals: At the end of the course, the student should be able to write the structure name and type of isomerism of organic compound Write a reaction, name reaction and orientation of reactions Given the reactivity/stability of the compounds, Prepare organic compounds Common methods of cooking and reaction of compounds written by an asterisk (\*) for clarification to emphasize definition, types, classification, principles/mechanisms, applications, examples and differences Of Unit I (10 hours) Benzene and its derivatives resonance in benzene, aromatic symbols, hexel rule Of Reacting to benzene - nitrate, sulfonation, halogenationreactivity, friedelcrafts alkylation- Substituents, the effect of substituents on reactivity and orientation mono-replaceable benzene to electrophilic substitution response Structure and use of DDT, Saharina, BHC and chloramine ii (10 hours) Phenols - Acidity phenols, effect of substituents on acidity, qualitative tests, structure and use of phenol , cresoles, resorcinol, naphtholic Aromatic amines - The basis of amines, the effect of substituents on the basis, as well as synthetic use of salt anil diazonia Aromatic acids - Acidity, the effect of substituents on acidity and important reactions of benzoic acid. Block III (10 hours) fatty acids - reactions. Hydrolysis, hydrogenation, saponification and rancidity of oils, drying oils. Analytical constants - Acid value, saponification value, Ester value, iodine value, Acetyl value, Reichert Meissl (RM) value - meaning and principle involved in their definition. Block IV (10 hours) Linear hydrocarbons: Synthesis, structure of reactions and therapeutic application of mothballs, phenantren, Antrazen, Diphenilmethan, Trif-enilmethan and their derivatives Group V (07 hours) Stability - theory of the Beyer strain, limitation of the theory of the strain of Beyer, Coulson and Moffitt in Modification, Saxe Mora theory (Theory without stress ring), reaction of cyclopropane and cyclopropane Carnation Embassy Tech Village, Outer Ring Road, Devarabeesanahalli Village, Bengaluru, 560103, Karnataka, India CIN : U51109KA2012PTC066107 Phone: 1800 208 9898 Pharmaceutical Organic Chemistry - II Dr. K. G. Botara Book: Organic Chemistry deals with the name of the composition of organic matter and, specifically for reasoning changes, which it undergoes. Over the past three decades, there has been an ever-increasing volume and ever-changing nature of our understanding of the mechanisms of response. The author seeks to describe the fundamental principles of organic chemistry with an emphasis on the characteristic reactions of different functional groups. Particular attention was paid to explaining the basic principles and concepts underlying chemical reactions, while the rest of the chapters focused on the structures and reactions of organic compounds. However, the broad scope of this topic requires limitations to keep the size of the book within reasonable limits. Audience Book : This book is useful for a B. Pharma student. Content Table: 1. Factors influencing the availability of electrons 2. Benzene and its derivatives are 3. Phenols, aromatic amines and aromatic acids 4. Fats and oils 5. Water hydrocarbons 6. Cycloalkanes Slideshare uses cookies to improve functionality and performance, as well as to provide you with appropriate advertising. If you continue to browse the site, you agree to use cookies on this site. See our Privacy Policy and User Agreement for more details. Make sure your OTP account has been sent to your email ID and mobile phone number pharmaceutical organic chemistry 2 notes pdf. pharmaceutical organic chemistry 2 nirali prakashan pdf. pharmaceutical organic chemistry 2 slideshare. pharmaceutical organic chemistry 2 syllabus. pharmaceutical organic chemistry 2 question papers. pharmaceutical organic chemistry 2 practical book pdf. pharmaceutical organic chemistry 2 mcqs with answers pdf. pharmaceutical organic chemistry 2 notes pdf download

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