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Structure The Wave Mechanical Model Subshells and Electron Configuration Double and Triple Bonds Organic Chemistry: Nomenclature and Structure Alkanes Alkenes Dienes Alkynes Alkyl Halides Cyclic Hydrocarbons Aromatic Hydrocarbons Aryl Halides Ethers and Epoxides Alcohols and Glycols Carboxylic Acids Carboxylic Acid Derivatives Esters Amides Arenes Aldehydes and Ketones Amines Phenols and Quinones Structural Isomerism SIX PRACTICE EXAMS "Practice Test 1 " Answer Key Detailed Explanations of Answers "Practice Test 2 " Answer Key Detailed Explanations of Answers "Practice Test 3" Answer Key Detailed Explanations of Answers "Practice Test 4 " Answer Key Detailed Explanations of Answers "Practice Test 5" Answer Key Detailed Explanations of Answers "Practice Test 6 " Answer Key Detailed Explanations of Answers THE PERIODIC TABLE EXCERPT About Research & Education Association Research & Education Association (REA) is an organization of educators, scientists, and engineers specializing in various academic fields. Founded in 1959 with the purpose of disseminating the most recently developed scientific information to groups in industry, government, high schools, and universities, REA has since become a successful and highly respected publisher of study aids, test preps, handbooks, and reference works. REA's Test Preparation series includes study guides for all academic levels in almost all disciplines. Research & Education Association publishes test preps for students who have not yet completed high school, as well as high school students preparing to enter college. Students from countries around the world seeking to attend college in the United States will find the assistance they need in REA's publications. For college students seeking advanced degrees, REA publishes test preps for many major graduate school admission examinations in a wide variety of disciplines, including engineering, law, and medicine. Students at every level, in every field, with every ambition can find what they are looking for among REA's publications. While most test preparation books present practice tests that bear little resemblance to the actual exams, REA's series presents tests that accurately depict the official exams in both degree of difficulty and types of questions. REA's practice tests are always based upon the most recently administered exams, and include every type of question that can be expected on the actual exams. REA's publications and educational materials are highly regarded and continually receive an unprecedented amount of praise from professionals, instructors, librarians, parents, and students. Our authors are as diverse as the fields represented in the books we publish. They are well-known in their respective disciplines and serve on the faculties of prestigious high schools, colleges, and universities throughout the United States and Canada. CHAPTER 1 - ABOUT THE SAT II: CHEMISTRY SUBJECT TEST ABOUT THIS BOOK This book provides you with an accurate and complete representation of the SAT II: Chemistry Subject Test. Inside you will find a complete course review designed to provide you with the information and strategies needed to do well on the exam, as well as six practice tests based on the actual exam. The practice tests contain every type of question that you can expect to appear on the SAT II: Chemistry test. Following each test you will find an answer key with detailed explanations designed to help you master the test material. ABOUT THE TEST Who Takes the Test and What Is It Used For? Students planning to attend college take the SAT II: Chemistry Subject Test for one of two reasons: (1) Because it is an admission requirement of the college or university to which they are applying; "OR" (2) To demonstrate proficiency in Chemistry. The SAT II: Chemistry exam is designed for students who have taken one year of college preparatory chemistry. Who Administers the Test? The SAT II: Chemistry Subject Test is developed by the College Board and administered by Educational Testing Service (ETS). The test development process involves the assistance of educators throughout the country, and is designed and implemented to ensure that the content and difficulty level of the test are appropriate. When Should the SAT II: Chemistry be Taken? If you are applying to a college that requires Subject Test scores as part of the admissions process, you should take the SAT II: Chemistry Subject Test toward the end of your junior year or at the beginning of your senior year. If your scores are being used only for placement purposes, you may be able to take the test in the spring of your senior year. For more information, be sure to contact the colleges to which you are applying. When and Where is the Test Given? The SAT II: Chemistry Subject Test is administered five times a year at many locations throughout the country; mostly high schools. To receive information on upcoming administrations of the exam, consult the publication Taking the SAT II: Subject Tests, which may be obtained from your guidance counselor or by contacting: College Board SAT Program P.O. Box 6200 Princeton, NJ 08541-6200 Phone: (609) 771-7600 Website: <http://www.collegeboard.com> Is There a Registration Fee? Yes. There is a registration fee to take the SAT II: Chemistry. Consult the publication Taking the SAT II: Subject Tests for information on the fee structure. Financial assistance may be granted in certain situations. To find out if you qualify and to register for assistance, contact your academic advisor. HOW TO USE THIS BOOK What Do I Study First? Remember that the SAT II: Chemistry Subject Test is designed to test knowledge that has been acquired throughout your education. Therefore, the best way to prepare for the exam is to refresh yourself by thoroughly studying our review material and taking the sample tests provided in this book. They will familiarize you with the types of questions, directions, and format of the SAT II: Chemistry Subject Test. To begin your studies, read over the review and the suggestions for test-taking, take one of the practice tests to determine your area(s) of weakness, and then restudy the review material, focusing on your specific problem areas. The course review includes the information you need to know when taking the exam. Be sure to take the remaining practice tests to further test yourself and become familiar with the format of the SAT II: Chemistry Subject Test. When Should I Start Studying? It is never too early to start studying for the SAT II: Chemistry test. The earlier you begin, the more time you will have to sharpen your skills. Do not procrastinate! Cramming is not an effective way to study, since it does not allow you the time needed to learn the test material. The sooner you learn the format of the exam, the more comfortable you will be when you take the exam. FORMAT OF THE SAT II: CHEMISTRY The SAT II: Chemistry is a one-hour exam consisting of 85 multiple-choice questions. The first part of the exam consists of classification questions. This question type presents a list of statements or questions that you must match up with a group of choices lettered (A) through (E). Each choice may be used once, more than once, or not at all. The exam then shifts to relationship analysis questions which you will answer in a specially numbered section of your answer sheet. You will have to determine if each of two statements is true or false and if the second statement is a correct explanation of the first. The last section is composed strictly of multiple-choice questions with choices lettered (A) through (E). Material Tested The following chart summarizes the distribution of topics covered on the SAT II: Chemistry Subject Test. Topic / Percentage / Number of Questions Atomic & Molecular Structure / 25% / 21 questions States of Matter / 15% / 13 questions Reaction Types / 14% / 12 questions Stoichiometry / 12% / 10 questions Equilibrium & Reaction Times / 7% / 6 questions Thermodynamics / 6% / 5 questions Descriptive Chemistry / 13% / 11 questions Laboratory / 8% / 7 questions The questions on the SAT II: Chemistry are also grouped into three larger categories according to how they test your understanding of the subject material. Category / Definition / Approximate Percentage of Test 1) Factual Recall / Demonstrating a knowledge and understanding of important concepts and specific information / 20% 2) Application / Taking a specific principle and applying it to a practical situation / 45% 3) Integration / Inferring information and drawing conclusions from particular relationships / 35% STUDYING FOR THE SAT II: CHEMISTRY It is very important to choose the time and place for studying that works best for you. Some students may set aside a certain number of hours every morning to study, while others may choose to study at night before going to sleep. Other students may study during the day, while waiting on line, or even while eating lunch. Only you can determine when and where your study time will be most effective. Be consistent and use your time wisely. Work out a study routine and stick to it! When you take the practice tests, try to make your testing conditions as much like the actual test as possible. Turn your television and radio off, and sit down at a quiet desk or table free from distraction. Make sure to clock yourself with a timer. As you complete each practice test, score it and thoroughly review the explanations to the questions you answered incorrectly; however, do not review too much at any one time. Concentrate on one problem area at a time by reviewing the questions and explanations, and by studying our review until you are confident you completely understand the material. Keep track of your scores. By doing so, you will be able to gauge your progress and discover general weaknesses in particular sections. You should carefully study the reviews that cover your areas of difficulty, as this will build your skills in those areas. TEST TAKING TIPS Although you may be unfamiliar with standardized tests such as the SAT II: Chemistry Subject Test, there are many ways to acquaint yourself with this type of examination and help alleviate your test-taking anxieties. Become comfortable with the format of the exam. When you are practicing to take the SAT II: Chemistry Subject Test, simulate the conditions under which you will be taking the actual test. Stay calm and pace yourself. After simulating the test only a couple of times, you will boost your chances of doing well, and you will be able to sit down for the actual exam with much more confidence. Know the directions and format for each section of the test. Familiarizing yourself with the directions and format of the exam will not only save you time, but will also ensure that you are familiar enough with the SAT II: Chemistry Subject Test to avoid nervousness (and the mistakes caused by being nervous). Do your scratchwork in the margins of the test booklet. You will not be given scrap paper during the exam, and you may not perform scratchwork on your answer sheet. Space is provided in your test booklet to do any necessary work or draw diagrams. If you are unsure of an answer, guess. However, if you do guess - guess wisely. Use the process of elimination by going through each answer to a question and ruling out as many of the answer choices as possible. By eliminating three answer choices, you give yourself a fifty-fifty chance of answering correctly since there will only be two choices left from which to make your guess. Mark your answers in the appropriate spaces on the answer sheet. Fill in the oval that corresponds to your answer darkly, completely, and neatly. You can change your answer, but remember to completely erase your old answer. Any stray lines or unnecessary marks may cause the machine to score your answer incorrectly. When you have finished working on a section, you may want to go back and check to make sure your answers

correspond to the correct questions. Marking one answer in the wrong space will throw off the rest of your test, whether it is graded by machine or by hand. You don't have to answer every question. You are not penalized if you do not answer every question. The only penalty results from answering a question incorrectly. Try to use the guessing strategy, but if you are truly stumped by a question, remember that you do not have to answer it. Work quickly and steadily. You have a limited amount of time to work on each section, so you need to work quickly and steadily. Avoid focusing on one problem for too long. Before the Test Make sure you know where your test center is well in advance of your test day so you do not get lost on the day of the test. On the night before the test, gather together the materials you will need the next day: - Your admission ticket - Two forms of identification (e.g., driver's license, student identification card, or current alien registration card) - Two No. 2 pencils with erasers - Directions to the test center - A watch (if you wish) but not one that makes noise, as it may disturb other test-takers On the day of the test, you should wake up early (after a good night's rest) and have breakfast. Dress comfortably, so that you are not distracted by being too hot or too cold while taking the test. Also, plan to arrive at the test center early. This will allow you to collect your thoughts and relax before the test, and will also spare you the stress of being late. If you arrive after the test begins, you will not be admitted to the test center and you will not receive a refund. During the Test When you arrive at the test center, try to find a seat where you feel most comfortable. Follow all the rules and instructions given by the test supervisor. If you do not, you risk being dismissed from the test and having your scores canceled. Once all the test materials are passed out, the test instructor will give you directions for filling out your answer sheet. Fill this sheet out carefully since this information will appear on your score report. After the Test When you have completed the SAT II: Chemistry Subject Test, you may hand in your test materials and leave. Then, go home and relax! When Will I Receive My Score Report and What Will It Look Like? You should receive your score report about five weeks after you take the test. This report will include your scores, percentile ranks, and interpretive information. Preparing for Chemistry AP Exam has never been easier, more enticing, more exciting, more engaging, more understandable, and less overwhelming. Our book is written to help students do more, know more, and build confidence for a higher mark on their AP exam. With a total of four practice tests with answers and explanations, this book can be used as a primary question practice resource or as a supplementary resource to other AP chemistry book. Book Summary: Organized, engaging, doable, quick-practice quality question sets. Clear, brief, simple, and easy-to-understand correct answer explanations. With scoring guidelines to all free response questions. Start your Chemistry AP Exam Practice today! Good Luck! * AP® is a trademark registered by the College Board, which is not affiliated with, and does not endorse, this book. Simplifying the complex chemical reactions that take place in everyday through the well-stated answers for more than 600 common chemistry questions, this reference is the go-to guide for students and professionals alike. The book covers everything from the history, major personalities, and groundbreaking reactions and equations in chemistry to laboratory techniques throughout history and the latest developments in the field. Chemistry is an essential aspect of all life that connects with and impacts all branches of science, making this readable resource invaluable across numerous disciplines while remaining accessible at any level of chemistry background. From the quest to make gold and early models of the atom to solar cells, bio-based fuels, and green chemistry and sustainability, chemistry is often at the forefront of technological change and this reference breaks down the essentials into an easily understood format. A Level Chemistry Multiple Choice Questions and Answers (MCQs): Quiz & Practice Tests with Answer Key PDF (A Level Chemistry Question Bank & Quick Study Guide) includes revision guide for problem solving with hundreds of solved MCQs. "A Level Chemistry MCQ" book with answers PDF covers basic concepts, analytical and practical assessment tests. "A Level Chemistry MCQ" PDF book helps to practice test questions from exam prep notes. A level chemistry quick study guide includes revision guide with verbal, quantitative, and analytical past papers, solved MCQs. A Level Chemistry Multiple Choice Questions and Answers (MCQs) PDF download, a book covers solved quiz questions and answers on chapters: Alcohols and esters, atomic structure and theory, benzene, chemical compound, carbonyl compounds, carboxylic acids, acyl compounds, chemical bonding, chemistry of life, electrode potential, electrons in atoms, enthalpy change, equilibrium, group IV, groups II and VII, halogenoalkanes, hydrocarbons, introduction to organic chemistry, ionic equilibria, lattice energy, moles and equations, nitrogen and sulfur, organic and nitrogen compounds, periodicity, polymerization, rates of reaction, reaction kinetics, redox reactions and electrolysis, states of matter, transition elements tests for college and university revision guide. A Level Chemistry Quiz Questions and Answers PDF download with free sample book covers beginner's solved questions, textbook's study notes to practice tests. Cambridge IGCSE GCE Chemistry MCQs book includes high school question papers to review practice tests for exams. "A Level Chemistry Quiz" PDF book, a quick study guide with textbook chapters' tests for IGCSE/NEET/MCAT/GRE/GMAT/SAT/ACT competitive exam. "A Level Chemistry Question Bank" PDF covers problem solving exam tests from chemistry textbook and practical book's chapters as: Chapter 1: Alcohols and Esters MCQs Chapter 2: Atomic Structure and Theory MCQs Chapter 3: Benzene: Chemical Compound MCQs Chapter 4: Carbonyl Compounds MCQs Chapter 5: Carboxylic Acids and Acyl Compounds MCQs Chapter 6: Chemical Bonding MCQs Chapter 7: Chemistry of Life MCQs Chapter 8: Electrode Potential MCQs Chapter 9: Electrons in Atoms MCQs Chapter 10: Enthalpy Change MCQs Chapter 11: Equilibrium MCQs Chapter 12: Group IV MCQs Chapter 13: Groups II and VII MCQs Chapter 14: Halogenoalkanes MCQs Chapter 15: Hydrocarbons MCQs Chapter 16: Introduction to Organic Chemistry MCQs Chapter 17: Ionic Equilibria MCQs Chapter 18: Lattice Energy MCQs Chapter 19: Moles and Equations MCQs Chapter 20: Nitrogen and Sulfur MCQs Chapter 21: Organic and Nitrogen Compounds MCQs Chapter 22: Periodicity MCQs Chapter 23: Polymerization MCQs Chapter 24: Rates of Reaction MCQs Chapter 25: Reaction Kinetics MCQs Chapter 26: Redox Reactions and Electrolysis MCQs Chapter 27: States of Matter MCQs Chapter 28: Transition Elements MCQs Practice "Alcohols and Esters MCQ" PDF book with answers, test 1 to solve MCQ questions: Introduction to alcohols, and alcohols reactions. Practice "Atomic Structure and Theory MCQ" PDF book with answers, test 2 to solve MCQ questions: Atom facts, elements and atoms, number of nucleons, protons, electrons, and neutrons. Practice "Benzene: Chemical Compound MCQ" PDF book with answers, test 3 to solve MCQ questions: Introduction to benzene, arenes reaction, phenol and properties, and reactions of phenol. Practice "Carbonyl Compounds MCQ" PDF book with answers, test 4 to solve MCQ questions: Introduction to carbonyl compounds, aldehydes and ketone testing, nucleophilic addition with HCN, preparation of aldehydes and ketone, reduction of aldehydes, and ketone. Practice "Carboxylic Acids and Acyl Compounds MCQ" PDF book with answers, test 5 to solve MCQ questions: Acidity of carboxylic acids, acyl chlorides, ethanoic acid, and reactions to form tri-iodomethane. Practice "Chemical Bonding MCQ" PDF book with answers, test 6 to solve MCQ questions: Chemical bonding types, chemical bonding electron pair, bond angle, bond energy, bond energy, bond length, bonding and physical properties, bonding energy, repulsion theory, covalent bonding, covalent bonds, double covalent bonds, triple covalent bonds, electron pair repulsion and bond angles, electron pair repulsion theory, enthalpy change of vaporization, intermolecular forces, ionic bonding, ionic bonds and covalent bonds, metallic bonding, metallic bonding and delocalized electrons, number of electrons, sigma bonds and pi bonds, sigma-bonds, pi-bonds, s-orbital and p-orbital, Van der Waals forces, and contact points. Practice "Chemistry of Life MCQ" PDF book with answers, test 7 to solve MCQ questions: Introduction to chemistry, enzyme specificity, enzymes, reintroducing amino acids, and proteins. Practice "Electrode Potential MCQ" PDF book with answers, test 8 to solve MCQ questions: Electrode potential, cells and batteries, E-Plimsoll values, electrolysis process, measuring standard electrode potential, quantitative electrolysis, redox, and oxidation. Practice "Electrons in Atoms MCQ" PDF book with answers, test 9 to solve MCQ questions: Electronic configurations, electronic structure evidence, ionization energy, periodic table, simple electronic structure, sub shells, and atomic orbitals. Practice "Enthalpy Change MCQ" PDF book with answers, test 10 to solve MCQ questions: Standard enthalpy changes, bond energies, enthalpies, Hess law, introduction to energy changes, measuring enthalpy changes. Practice "Equilibrium MCQ" PDF book with answers, test 11 to solve MCQ questions: Equilibrium constant expression, equilibrium position, acid base equilibria, chemical industry equilibria, ethanoic acid, gas reactions equilibria, and reversible reactions. Practice "Group IV MCQ" PDF book with answers, test 12 to solve MCQ questions: Introduction to group IV, metallic character of group IV elements, ceramic, silicon oxide, covalent bonds, properties variation in group IV, relative stability of oxidation states, and tetra chlorides. Practice "Groups II and VII MCQ" PDF book with answers, test 13 to solve MCQ questions: Atomic number of group II metals, covalent bonds, density of group II elements, disproportionation, fluorine, group II elements and reactions, group VII elements and reactions, halogens and compounds, ionic bonds, melting points of group II elements, metallic radii of group II elements, periodic table elements, physical properties of group II elements, physical properties of group VII elements, reaction of group II elements with oxygen, reactions of group II elements, reactions of group VII elements, thermal decomposition of carbonates and nitrates, thermal decomposition of group II carbonates, thermal decomposition of group II nitrates, uses of group II elements, uses of group II metals, uses of halogens and their compounds. Practice "Halogenoalkanes MCQ" PDF book with answers, test 14 to solve MCQ questions: Halogenoalkanes, uses of halogenoalkanes, elimination reactions, nucleophilic substitution in halogenoalkanes, and nucleophilic substitution reactions. Practice "Hydrocarbons MCQ" PDF book with answers, test 15 to solve MCQ questions: Introduction to alkanes, sources of alkanes, addition reactions of alkenes, alkane reaction, alkenes and formulas. Practice "Introduction to Organic Chemistry MCQ" PDF book with answers, test 16 to solve MCQ questions: Organic chemistry, functional groups, organic reactions, naming organic compounds, stereoisomerism, structural isomerism, and types of organic reactions. Practice "Ionic Equilibria MCQ" PDF book with answers, test 17 to solve MCQ questions: Introduction to ionic equilibria, buffer solutions,

equilibrium and solubility, indicators and acid base titrations, pH calculations, and weak acids. Practice "Lattice Energy MCQ" PDF book with answers, test 18 to solve MCQ questions: Introduction to lattice energy, ion polarization, lattice energy value, atomization and electron affinity, Born Haber cycle, and enthalpy changes in solution. Practice "Moles and Equations MCQ" PDF book with answers, test 19 to solve MCQ questions: Amount of substance, atoms, molecules mass, chemical formula and equations, gas volumes, mole calculations, relative atomic mass, solutions, and concentrations. Practice "Nitrogen and Sulfur MCQ" PDF book with answers, test 20 to solve MCQ questions: Nitrogen gas, nitrogen and its compounds, nitrogen and gas properties, ammonia, ammonium compounds, environmental problems caused by nitrogen compounds and nitrate fertilizers, sulfur and oxides, sulfuric acid and properties, and uses of sulfuric acid. Practice "Organic and Nitrogen Compounds MCQ" PDF book with answers, test 21 to solve MCQ questions: Amides in chemistry, amines, amino acids, peptides and proteins. Practice "Periodicity MCQ" PDF book with answers, test 22 to solve MCQ questions: Acidic oxides, basic oxides, aluminum oxide, balancing equation, period 3 chlorides, balancing equations: reactions with chlorine, balancing equations: reactions with oxygen, bonding nature of period 3 oxides, chemical properties of chlorine, chemical properties of oxygen, chemical properties periodicity, chemistry periodic table, chemistry: oxides, chlorides of period 3 elements, electrical conductivity in period 3 oxides, electronegativity of period 3 oxides, ionic bonds, molecular structures of period 3 oxides, oxidation number of oxides, oxidation numbers, oxides and hydroxides of period 3 elements, oxides of period 3 elements, period III chlorides, periodic table electronegativity, physical properties periodicity, reaction of sodium and magnesium with water, and relative melting point of period 3 oxides. Practice "Polymerization MCQ" PDF book with answers, test 23 to solve MCQ questions: Types of polymerization, polyamides, polyesters, and polymer reductions. Practice "Rates of Reaction MCQ" PDF book with answers, test 24 to solve MCQ questions: Catalysis, collision theory, effect of concentration, reaction kinetics, and temperature effect on reaction rate. Practice "Reaction Kinetics MCQ" PDF book with answers, test 25 to solve MCQ questions: Reaction kinetics, catalysts, kinetics and reaction mechanism, order of reaction, rare constant k, and rate of reaction. Practice "Redox Reactions and Electrolysis MCQ" PDF book with answers, test 26 to solve MCQ questions: Redox reaction, electrolysis technique, oxidation numbers, redox and electron transfer. Practice "States of Matter MCQ" PDF book with answers, test 27 to solve MCQ questions: states of matter, ceramics, gaseous state, liquid state, materials conservations, and solid state. Practice "Transition Elements MCQ" PDF book with answers, test 28 to solve MCQ questions: transition element, ligands and complex formation, physical properties of transition elements, redox and oxidation. This book was created to help teachers as they instruct students through the Master's Class Chemistry course by Master Books. The teacher is one who guides students through the subject matter, helps each student stay on schedule and be organized, and is their source of accountability along the way. With that in mind, this guide provides additional help through the laboratory exercises, as well as lessons, quizzes, and examinations that are provided along with the answers. The lessons in this study emphasize working through procedures and problem solving by learning patterns. The vocabulary is kept at the essential level. Practice exercises are given with their answers so that the patterns can be used in problem solving. These lessons and laboratory exercises are the result of over 30 years of teaching home school high school students and then working with them as they proceed through college. Guided labs are provided to enhance instruction of weekly lessons. There are many principles and truths given to us in Scripture by the God that created the universe and all of the laws by which it functions. It is important to see the hand of God and His principles and wisdom as it plays out in chemistry. This course integrates what God has told us in the context of this study. Features: Each suggested weekly schedule has five easy-to-manage lessons that combine reading and worksheets. Worksheets, quizzes, and tests are perforated and three-hole punched — materials are easy to tear out, hand out, grade, and store. Adjust the schedule and materials needed to best work within your educational program. Space is given for assignments dates. There is flexibility in scheduling. Adapt the days to your school schedule. Workflow: Students will read the pages in their book and then complete each section of the teacher guide. They should be encouraged to complete as many of the activities and projects as possible as well. Tests are given at regular intervals with space to record each grade. About the Author: DR. DENNIS ENGLIN earned his bachelor's from Westmont College, his master of science from California State University, and his EdD from the University of Southern California. He enjoys teaching animal biology, vertebrate biology, wildlife biology, organismic biology, and astronomy at The Master's University. His professional memberships include the Creation Research Society, the American Fisheries Association, Southern California Academy of Sciences, Yellowstone Association, and Au Sable Institute of Environmental Studies. The new Savvas Chemistry program combines our proven content with cutting-edge digital support to help students connect chemistry to their daily lives. 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Harrold, BS, Pharm, PhD, is Professor of Medicinal Chemistry at the Mylan School of Pharmacy, Duquesne University, Pittsburgh, PA. Professor Harrold is the 2011 winner of the Omicron Delta Kappa "Teacher of the Year" award at Duquesne University. He is also the two-time winner of the "TOPS" (Teacher of the Pharmacy School) award at the Mylan School of Pharmacy. Robin M. Zavod, PhD, is Associate Professor for Pharmaceutical Sciences at the Chicago College of Pharmacy, Midwestern University, Downers Grove, IL, where she was awarded the 2012 Outstanding Faculty of the Year award. Professor Zavod also serves on the adjunct faculty for Elmhurst College and the Illinois Institute of Technology. She currently serves as Editor-in-Chief of the journal Currents in Pharmacy Teaching and Learning. A textbook for B.Sc Classes as per the UGC Model Syllabus. The book is visually beautiful and authors communicate their enthusiasm and enjoyment of the subject in every chapter. 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