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Syllabus	References
<p>Pharmacognosy:</p> <p>Alkaloids Glycosides Antibiotics Volatile oil Chromatography</p>	<p>Pharmacognosy by Tylor 9th edition and Pharmacognosy by Trease and Evans 16th edition</p>
<p>Pharmacology:</p> <p>UNIT IV: Drugs Affecting the Cardiovascular System Chapter 17: Antihypertensive Chapter 18: Diuretics Chapter 19: Heart Failure Chapter 20: Antiarrhythmic Chapter 21: Antianginal Drugs Chapter 22: Anticoagulants and Antiplatelet Agents Chapter 23: Drugs for Hyperlipidemia</p> <p>UNIT VII: Chemotherapeutic Drugs Chapter 37: Principles of Antimicrobial Therapy Chapter 38: Cell Wall Inhibitors...483 Chapter 39: Protein Synthesis Inhibitors Chapter 40: Quinolones, Folic Acid Antagonists, and Urinary Tract Antiseptic Chapter 41: Antimycobacterial Drugs</p>	<p>Lippincott Illustrated Reviews: Pharmacology Sixth Edition.</p>
<p>Pharmaceutical chemistry:</p> <p>Physiochemical properties (drug distribution, pro-drug approach, drug metabolism, protein binding of drug, acidic</p>	<p>Wilson and Gisvold's Textbook of ORGANIC MEDICINAL AND PHARMACEUTICAL CHEMISTRY</p>



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<p>and basic drugs and percent ionization, partition coefficient, QSAR model, combination chemistry, receptors, forces involved in drug receptor interaction, steric features of drugs, optical isomerism and biological activities, calculated conformation, Computer simulation technique, isosterism.</p> <p>Biotransformation of drugs and related compounds metabolism. Enzymes involved in drug metabolism place I reaction, oxidation, reduction, hydrolysis, phase II reactions, conjugation</p> <p>Chapter that cover the narcotic analgesics, anti-inflammatory drug, steroid hormones, cholinergic drugs, adrenergic drugs, antineoplastic drugs, antibiotics and antimicrobials.</p> <p>Atomic and molecular structure. Complexes and chelating agents. Radioisotopes and radiopharmaceutical preparations, contrast media, essential trace elements.</p> <p>Ultra-violet spectroscopy, Infra-red spectroscopy Mass spectroscopy. Nuclear magnetic resonance spectroscopy.</p>	<p>Inorganic medicinal and pharmaceutical chemistry by: Block and Wilson.</p> <p>Spectroscopic identification of organic compounds, by R. M. Silverstein</p>