## المنهاج الامتحاني المطلوب لامتحان الرصانة حملة شهادة الماجستير اختصاص الادوية والسموم

	Subject Name	Chapters	References
1	Advance Physiology	<ul> <li>Muscle contraction</li> <li>Adaptation</li> <li>Renal system</li> <li>Respiratory system</li> <li>Cardiovascular system</li> </ul>	Guyton and Hall. Textbook of .Medical Physiology  •Ganong's Review of Medical Physiology, 23rd Edition  •Vander's Human Physiology
2	Advance Systemic Toxicology 2	<ul><li>blood toxicity</li><li>Nephrotoxicty</li><li>CNS toxicity</li><li>Hepatotoxicity</li></ul>	Casarett & Doull's Toxicology: the Basic Science of Poisons, 9th
3	Advance Pharmacology 2	<ul> <li>Molecular mechanisms in drug resistance.</li> <li>Protein phosphatase as therapeutic targets for cancer and Alzheimer disease.</li> <li>PPAR-γ pathway and development of new drugs</li> <li>New approaches and strategies in pharmacotherapy.</li> <li>Drug abuse and dependence</li> </ul>	Goodman and Gilman's The Pharmacological Basis of Therapeutics, 14th Edition Rang & Dale's Pharmacology10th Edition
4	Mechanistic Toxicology 1	<ul> <li>apoptosis</li> <li>Role of Ca in cell death</li> <li>Role of transporter in cell death</li> <li>Role of mitochondria in cell death</li> </ul>	Casarett & Doull's Toxicology: the Basic Science of Poisons, 9th
5	Molecular pharmacology I	<ul> <li>Introduction to receptors</li> <li>G-protein coupled receptors</li> <li>Tyrosine kinase receptors</li> <li>Nuclear receptors</li> </ul>	Goodman and Gilman's The Pharmacological Basis of Therapeutics, 14th Edition Rang & Dale's Pharmacology10th Edition

## المنهاج الامتحاني المطلوب لامتحان الرصانة حملة شهادة الماجستير اختصاص الادوية والسموم

	Subject Name	Chapters	References
6	Advanced Biopharmaceutics and Pharmacokinetics  (مشترك مع	Physiologic Factors Related to Drug Absorption:	Reference: Applied     Biopharmaceutics &     Pharmacokinetics ,Seventh Edition     ,EDITORS ,Leon Shargel, PhD, RPh,     Andrew B.C. Yu, PhD, RPh, Chapter 14

	Subject Name	Chapters	References
7	Pathophysiology II (مشترك مع العلوم المختبرية)	Definitions and divisions of pathology, The nature and cause of disease, Pathophysiology of cardiovascular disorders, Pathophysiology and diseases of the respiratory system, Pathophysiology & Diseases of the digestive tract, Pathophysiology of hypersensitivity & autoimmune disease, Pathophysiology & diseases of the neurologic system, Pathophysiology of urinary system disorders, Pathophysiology of Endocrine disorders, Pathophysiology of Diseases of the male and female reproductive tracts, Disorders of the musculoskeletal system.	Reference: The Biologic Basis for Disease in Adults And Children by :Kathryn L. McCance, Sue E. Huether 8th edition.