



منهاج الامتحان التنافسي للمتقدمين للدراسات العليا للعام الدراسي ٢٠٢٦/٢٠٢٧

لكلية الصيدلة جامعة بغداد

1. منهاج المتقدمين لنيل شهادة الدكتوراه (لجميع الفروع العلمية المفتوحة):

Material	References
1. Pharmacology and Toxicology	
Chapter 22: Anticoagulants and Antiplatelet Agents Chapter 23: Drugs for Hyperlipidemia	Lippincott Illustrated Reviews: Pharmacology 7 ed.
2. Clinical Pharmacy	
1- Hormone therapy (Chapter 31) 2- Dyslipidemia (chapter 8) 3- Psoriasis (Chapter 17) 4- Thyroid disorder (Chapter 20) 5- lung cancer (Chapter 63) 6- Alzheimer disease (Chapter 53) 7- Substance Use Disorders Non-Opioid (Chapter 73)	Pharmacotherapy Handbook. 12th Edition. By Joseph T. DiPiro
3. Pharmaceutical Chemistry	
1. Metabolic Changes of Drugs and Related Organic Compounds (Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12th edition, Chapter 3). 2. Antibacterial Antibiotics (Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12th edition, Chapter 8) 3. Central Nervous System Depressants (Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12th edition, Chapter 12). 4. Cholinergic Drugs and Related Agents (Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12th edition, Chapter 17). 5. Nuclear Magnetic Resonance Spectroscopy (Spectrometric Identification of Organic Compounds, Robert M. Silverstein, 8th Edition, Chapter 3)	Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12 th edition, Chapter 3,8,12,17. Spectrometric Identification of Organic Compounds, Robert M. Silverstein, 8th Edition, Chapter 3
4. Clinical Chemistry	
Chapter 5: Potassium Chapter 8: The adrenal cortex Chapter 11: Thyroid function Chapter 19: Protein in plasma and urine	Clinical biochemistry and metabolic medicine. Martin A Crook 8th edition.
5. Pharmaceutics	
1. Novel Drug Delivery Systems, 24. The Theory and Practice of Industrial Pharmacy by Lachman, Fourth Edition chapter 2. Targeted Drug Delivery Systems, 25 The Theory and Practice of Industrial Pharmacy by Lachman, Fourth Edition chapter 3. Transdermal Drug Delivery Systems 11, Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems, Ninth edition	-Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems, Ninth edition chapter 11 - The Theory and Practice of Industrial Pharmacy by Lachman, Fourth Edition chapter 24, 25

6. Pharmacognosy	
1. Alkaloids 2. Glycoside 3. Volatile oils	Pharmacognosy by Tyler, 9th edition...chapter 8, 3, 5 Manske R.H.F.: Alkaloids: chemistry & physiology, volume VIII, New York, academic, chapter 12 Trease & Evans Pharmacognosy 16th edition 2009, chapter 21, 22

2. منهاج المتقدمين لنيل شهادة الماجستير (جميع الفروع العلمية المفتوحة):

Material	References
1. Pharmacology and Toxicology	
Chapter 46: Anticancer drugs	Lippincott illustrated reviews. 6th edition
2. Clinical Pharmacy	
1 -Contraception (Chapter 30) 2 -Arrhythmias (Chapter 6) 3- Epilepsy (Chapter 54) 4- Anxiety disorder (Chapter 67) 5- Electrolyte Homeostasis (Chapter 77)	Pharmacotherapy Handbook. 12th Edition. By Joseph T. DiPiro
3. Pharmaceutical Chemistry	
1. Drug Design Strategies (Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12th edition, Chapter 2) 2. Antineoplastic Agents (Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12th edition, Chapter 10). 3. Adrenergic Agents (Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12th edition, Chapter 16). 4. Infrared Spectroscopy (Spectrometric Identification of Organic Compounds, Robert M. Silverstein, 8th Edition, Chapter 2	Wilson and Gisvold Textbook of Organic Medicinal and Pharmaceutical Chemistry, 12 th edition, chapter 2, 10, 16. Spectrometric Identification of Organic Compounds, Robert M. Silverstein, 8th Edition, Chapter 2.
4. Clinical Chemistry	
Proteins: Determination of primary structure. Ch. 4 in “Harper’s Illustrated Biochemistry”; Ed. 32; 2023 Disorders of haem metabolism: Iron and the porphyrias. Ch. 21 in “Clinical Biochemistry & Metabolic Medicine” Ed. 8; 2013.	1- “Harper’s Illustrated Biochemistry” 31 st ed. 2018. 2- “Clinical Biochemistry & Metabolic Medicine” 8 th . ed. 2013
5. Pharmaceutics	
Chapter 23: Pharmaceutical Preformulation Chapter 20: Novel Dosage Forms and Drug Delivery Technologies. Aulton’s Pharmaceutics. Fifth edition Ansel’s pharmaceutical Dosage Form and drug delivery systems, ninth edition.	Aulton’s Pharmaceutics. Fifth edition Ansel’s pharmaceutical Dosage Form and drug delivery systems, ninth edition.
6. Pharmacognosy	
Chromatography Methods of plant analysis Phytotherapy	Chemistry for Queensland Units 1 & 2 Essential Access + Book Second Edition By Teresa Gemellaro, Carrie Bloomfield, Meriet Mikhail, 2024 Chapter 13 Phytochemical methods: a guide to modern techniques of plant analysis,

	<p>third edition By J.B. HARBORNE, 1998 Chapter 1</p> <p>FUNDAMENTALS OF PHARMACOGNOSY AND PHYTOTHERAPY Second Edition By Michael Heinrich, Joanne Barnes, Simon Gibbons, Elizabeth M Williamson, 2012 Chapter 14</p>
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3. منهاج المتقدمين لنيل شهادة الدبلوم العالي المهني في الصيدلة الصناعية:

Material	References
Chapter 23: Pharmaceutical Preformulation Chapter 17: Sterilization in Practice Chapter 27: Emulsions and Creams	Aulton's Pharmaceutics (The design and manufacture of medicines); 6th Edition
Chapter 13: Tablets	Lachman's, The theory, and practice of industrial pharmacy; 4th Edition