

مصادر الامتحان التنافسي لقسم علوم الحاسوب / الدكتوراه

للعام الدراسي 2023-2024

#	Subject	Book Title	Chapters
1	Artificial Intelligence	George F Luger, Artificial Intelligence Structures and Strategies for Complex Problem Solving, 6 <sup>th</sup> Edition.	2,3,4,7,8,9
2	Security	William Stallings, Cryptography and Network Security, Principle and Practice, 4 <sup>th</sup> Edith.	9, 10,11, 12, 13
3	Data Structure	1. Peter Brass, Advanced Data Structures, City College of New York 2. Narasimha Karumanchi , Data Structure and Algorithmic Thinking With Python.	1. 4, 5, 8,9 2. 1, 2, 5, 6, 8, 9, 10, 11, 12, 14
4	Software Engineering	1. Ian Sommerville , Software Engineering, 10 <sup>th</sup> Edition. 2. Claude Y. Laporte and Alain April, Software Quality Assurance	1. ch1, ch3, ch4,ch7 2. ch5,ch7
5	Digital Signal Processing	John G. Proakis, Dimitris G. Manolakis, "Digital Signal Processing: Principles, Algorithms and Applications", 5 <sup>th</sup> edition, Pearson.	1,2,3,4,7,8,12
6	Wireless Sensor Networks	Jun Zheng and Abbas Jamalipour (2009), WIRELESS SENSOR NETWORKS A Networking Perspective, John Wiley & Sons Ltd.	2, 3, 4, 5, 6, 7, 8, 12