



Wiley Acing the GATE: Electronics and Communication Engineering

By Anil K. Maini, Nakul Maini, Varsha Agrawal

Wiley India Pvt. Ltd, 2015. Softcover. Book Condition: New. First edition. Wiley's Acing the GATE Examination in Electronics and Communication is intended to be the complete book for those aspiring to compete in the Graduate Aptitude Test in Engineering (GATE) in Electronics and Communication discipline comprehensively covering all topics as prescribed in the syllabus in terms of study material, quick reference support material and an elaborate question bank. One of the notable features of the book includes presentation of study material in simple and lucid language and in small sections while retaining focus on alignment of the material in accordance with the requirements of GATE examination. Preface About the Authors Acing the GATE Unit I: Networks 1 Network Graphs 1.1 Network Graphs - An Introduction 1.2 Incidence Matrix 4 1.3 Fundamental Cut-Set Matrix 1.4 f-Circuit or Tie-Set Matrix 1.5 Inter-Relationships Between Different Matrices 2 Nodal and Mesh Analysis 2.1 Kirchoff's Circuit Laws 2.2 Series, Parallel and Series-Parallel Networks 2.3 Source and Network Transformations 2.4 Mesh Analysis 2.5 Nodal Analysis 3 Network Theorems 3.1 Superposition Theorem 3.2 Thevenin's Theorem 3.3 Norton's Theorem 3.4 Maximum Power Transfer Theorem 3.5 Reciprocity Theorem 3.6 Millman's Theorem 3.7 Substitution, Compensation and Tellegen's Theorems 3.8 Wye-Delta...



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