



Basic Electrical Engineering (SIE), (Schaum`s Outline Series)

By Jimmie J. Cathey, Prabhat Kumar, Syed A. Nasar

Tata McGraw-Hill Education Pvt. Ltd., 2010. Softcover. Book Condition: New. 3rd edition. This Schaums Outline Series book on Basic Electrical Engineering gives a complete overview of the subject. Emphasis is placed on the basic laws, theorems and problem-solving approach. The revision has further elaborated and enhanced the worth of the book by including more solved example and OTQs which has made more examination oriented Table of contents: Preface to Third Edition Preface List of Important Symbols List of Important Abbreviations List of Important Formulae 1. Circuit Elements and Laws 2. Analysis of Resistive Circuits 3. AC Circuits under Steady State 4. Transient Circuit Analysis 5. Special Forcing Function and Laplace Transforms 6. State-Variable Circuit Analysis 7. Diodes 8. Bipolar Junction Transistors 9. Field-Effect Transistors Important Formulae 10. Operational Amplifiers 11. Switching Logic and Circuits 12. Digital Logic Applications 13. Transformers 14. Electro mechanics and Electric Machines 15. Concepts of Control Transfer Functions 16. Block Diagrams and Signal Flow Graphs 17. Control Criteria and Response 18. Basic Measuring Instruments Solved Problems Objective Type Questions Answers to Objective Type Questions Index Appendix B Matrices and Determinants Appendix C Multiple Choice Questions Printed Pages: 364.



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