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A Textbook of

BASIC ENGINEERING PHYSICS

Dr. Amal Kr Chakrabarty M.Sc., Ph.D.

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Basic Electrical Engineering By Chakraborty

Jyoti Prakash Singh



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Chatterjee, 2010 Engineering Mathematics I has been written for the first year engineering students of WBUT Starting with the basic notions of matrices and determinants the entire book has been developed keeping in mind the physical interpretations of mathematical concepts application of the notions of the in engineering and technology and precision through solved examples Authors long experiences of teaching various grades of students have played an instrumental role towards this end An emphasis on various techniques of solving difficult problems will be of immense help to the students

Engineering Thermodynamics and Fluid Mechanics (For MAKAUT), 3rd Edition Ghosh B.B./ Chakrabarti Satyajit/ Ghosh Samir & Roy, Prokash Chandra, 2013 Books in this series have been specially designed to meet the requirements of a large spectrum of engineering students of WBUT those who find learning the concepts difficult and want to study through solved examples and those who wish to study in the traditional way Modern day engineers constantly encounter applications of thermodynamics and fluid mechanics while working with engineering designs and structures converting the power of heat and fluid into mechanical work from early steam engines to hydroelectricity and supersonic jets Equipping budding engineers with state of the art technology Engineering Thermodynamics and Fluid Mechanics provides an in depth study of the two disciplines Key Features 1 Summary at the end of each chapter for quick recapitulation 2 Large number of MCQs review questions and numerical problem sets for self assessment 3 Five model test papers for practice 4 Solution to past ten years university papers Data Structures And Algorithms Using C Jyoti Prakash Singh, The book Data Structures and Algorithms

Using C aims at helping students develop both programming and algorithm analysis skills simultaneously so that they can design programs with the maximum amount of efficiency The book uses C language since it allows basic data structures to be implemented in a variety of ways Data structure is a central course in the curriculum of all computer science programs This book follows the syllabus of Data Structures and Algorithms course being taught in B Tech BCA and MCA programs of all institutes under most universities Software Engineering (WBUT), 2nd Edition Rohit Khurana, Innovations in software

engineering have ushered in an era of wired technology We are constantly surrounded by the products of this revolution With this book the author has created a resourceful cache of latest information for aspiring software engineers preparing them for a productive industry experience Elaboration on concepts of software development and engineering the book gives an insightful view of the fundamentals of system design coding and documentation software metrics management and cost estimation Based upon the updated university curriculum this book is a student friendly work that explains difficult concepts with neat illustrations and examples Topic wise discussions on system testing and computer aided software engineering go a long way in equipping budding software engineers with the right knowledge and expertise This is a great book for self based learning and for competitive examinations It comes with a glossary of technical terms Key Features Lucid well explained concepts with solved examples Complete coverage of the updated university syllabus Chapter end summaries and questions for quick review Relevant illustrations for better understanding and retention Glossary of technical terms Solution to previous years university papers

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Frontiers in Electronic Technologies S.R.S Prabakaran, Nadia Magnenat Thalmann, V. S Kanchana Bhaaskaran, 2017-03-23 This book is a collection of keynote lectures from international experts presented at International Conference on NextGen Electronic Technologies ICNETS2 2016 ICNETS2 encompasses six symposia covering all aspects of electronics and communications domains including relevant nano micro materials and devices This volume comprises of recent research in areas like computational signal processing analysis intelligent embedded systems nanoelectronic materials and devices optical and microwave technologies VLSI design circuits systems and application and wireless communication networks and the internet of things The contents of this book will be useful to researchers professionals and students working in the core areas of electronics and their applications especially to signal processing embedded systems and networking

Computational, Education, and Materials Science Aspects Ponnadurai Ramasami, 2022-10-03 Chapters collected from The Virtual Conference on Chemistry and its Applications VCCA 2021 Research and Innovations in Chemical Sciences Paving the Way Forward This conference was held in August 2021 and organized by the Computational Chemistry Group of the University of Mauritius These peer reviewed chapters offer insights into research on fundamental and applied chemistry with interdisciplinary subject matter

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