

## S Chand Mechanical Engineering Rac

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this book is a complete textbook for undergraduate students in mechanical engineering and will serve as a reference for postgraduate students and practicing engineers the subject material covered in this book contains new topics relevant to the undergraduate curriculums of most universities it is student friendly concise with good illustrations and problem solving hints the author has used his experience of teaching this subject in india and the us universities in designing this book he has also made full use of his industrial consulting experience in the field of refrigeration and air conditioning in making this textbook up to date with

the current scenario in the field of rac key features extensive coverage of rac applications up to date with recent advances in cryogenics detailed discussion on rac controls explanation of latest rac equipment including ahus revision of basic thermodynamics and heat transfer complete and thorough coverage of all topics

the multicolr edition has been thoroughly revised and brought up to date multicolor pictures have been added to enhance the content value and to give the students and idea of what he will be dealing in relity and to bridge the gap between theory and practice

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this book shows how to build in evaluate and demonstrate reliability and availability of components equipment and systems it presents the state of the art in theory and practice and is based on the author s 30 years experience half in industry and half as professor of reliability engineering at the eth zurich in this extended edition new models and considerations have been added for reliability data analysis and fault tolerant re configurable repairable systems including reward and frequency duration aspects new design rules for imperfect switching incomplete coverage items with more than 2 states and phased mission systems as well as a monte carlo approach useful for rare events are given trends in quality management are outlined methods and tools are given in a way that they can be tailored to cover different reliability requirement levels and be used to investigate safety as well the book contains a large number of tables figures and examples to support the practical aspects toc basic concepts quality and reliability

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