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Titolo	Multiple-Choice Questions in Control Systems Engineering / / by S. Palani
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Descrizione fisica	1 online resource (126 pages)
Collana	Intelligent Technologies and Robotics Series
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Soggetti	Automatic control Electronic circuits Electrical engineering Control and Systems Theory Electronic Circuits and Systems Electrical and Electronic Engineering
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Nota di contenuto	System Transfer Function -- Time Response Analysis -- Frequency Response Analysis -- Stability Analysis of Linear System -- Root Locus Method of Analysis -- Design of Compensators -- State Space Analysis.
Sommario/riassunto	This book covers multiple-choice questions (MCQs) related to the transfer function model applied to electrical, mechanical, and chemical engineering systems. It includes topics such as time response, specifications, frequency response using polar plot, Bode plot, and Nichol's plot. Additionally, it discusses specifications like phase margin, gain margin, resonant peak, and their corresponding frequencies. The book also contains MCQs related to stability studies using Routh–Hurwitz and Nyquist methods. It also includes MCQs about root locus, design of compensators and controllers, and state space modeling and analysis. The book comprises MCQs in the areas of root locus and the design of compensators and controllers. State space modeling and analysis have become increasingly important recently, leading to a rise in multiple-choice questions (MCQs) on this topic. This addition makes the book comprehensive for undergraduate and postgraduate students

