



include : To provide a good understanding of different types of maintenance management systems such as breakdown, preventive, predictive, proactive. To explain benefits of planned maintenance. To explain condition-based monitoring techniques with focus on vibration monitoring, thermography, and motor condition monitoring. To stress the role of reliability engineering in maintenance with tools like Failure Mode and Effect Analysis, Root Cause Analysis, and Criticality Matrix. To explain activities of maintenance planning with focus on shutdown planning, human resources development, and tools employed for monitoring. To emphasize management functions such as procurement of spares, measurement of maintenance effectiveness, etc. To give an overview of project management tools such as PERT etc. To introduce computerized maintenance management systems. To explain the basics of hazard analysis and fault tree analysis. Review questions in each chapter, worked-out examples wherever applicable, case studies and an exclusive appendix on "Selected Questions and Answers" are all designed to provoke critical thinking. This text is suitable for undergraduate and postgraduate courses in Maintenance Engineering taught in the department of mechanical engineering in almost all universities.

This book is a compilation of case study ideas in the areas of production, operation, supply chain and logistics management (POM-SCL), also incorporating operation strategies. This book has been designed conforming to the standards of this common subject for the courses of Master of Business Administration (MBA) and Post Graduate Diploma in Management (PGDM) prescribed by the All India Council of Technical Education (AICTE) and University Grants Commission (UGC). The book consists of sixty five case study ideas covering almost the entire gamut of the subject concerned. All these cases are based on Indian organizations/industries using the characters with names typically Indian and the narrations of these cases reflect Indian work culture, value systems and ethos. All these cases are followed by a set of about half a dozen questions pertaining to the narrations with the corresponding answers suggested for the guidance of the teachers and the students alike. Apart from making the book very convenient and handy for studying the subject, it is also aimed at dispelling fears and apprehensions among the students with non-science/non-technical background that they seem to have about this subject. Getting familiar with the numerical exercises given and solved in this book by practice will make passing this subject a cakewalk for any average student. The cases are so designed as to expose the students to the realities and challenges to the actual professional life while still seating in the class rooms, much before entering a professional career. The book provides a colossal value addition as both a complement and a supplement to the theories in the text books.

This book brings together some of the latest thinking by leading experts from around the world on integrating systems and strategies in production management and related issues that are relevant for making production into a competitive resource for the firm. This book is composed of five parts, each focused on a specific theme: Linking systems and strategies; Strategic operations management; IS/IT applications in the value chain; Modelling and simulation; Improving operations. This book constitutes the refereed proceedings of the 5th International Conference on Rough Sets and Current Trends in Computing, RSCTC 2006, held in Kobe, Japan in November 2006. The 91 revised full papers presented together with five invited papers and two commemorative papers were carefully reviewed and selected from 332 submissions.

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