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Nota di contenuto	Chapter 1 - Sustainable inventory system with lean manufacturing and variable demand -- Chapter 2 - A Novel Inventory Model of Growing Items & its Waste Management -- Chapter 3 - Imperfect Production Inventory under Multi-Production Cycle for Non-Deteriorating Items with Carbon Tax and Green Investment -- Chapter 4 - Optimum Sustainable Inventory Model with Preservation Technology, Promotional Efforts, and Green Technology under Controllable Carbon Emissions in an Uncertain Environment -- Chapter 5 - Effect of Carbon Emission and Sustainable Energy on Supply Chain with Imperfect Quality Items under Trade Credit Policy -- Chapter 6 - Sustainable Multistage Production Inventory Model under Joint Effect Of Preservation and Green Technology -- Chapter 7 - Effect of Inflation on EOQ Model with

Multivariate Demand and Partial Backlogging and Carbon Tax Policy -- Chapter 8 - An InventoryModel with Both Stock-Dependent Demand Rate and Stock-Dependent Holding Cost Rate under Uncertainty -- Chapter 9 - An Integrated Inventory System with Decay Process Monitored Through Investment in Preservation Technique and Demand Dependent on Displayed Stock -- Chapter 10 - An Inventory Model for Perishables with Fixed Storage Life and Diminishing Ability to Buy in their Life Expectancy -- Chapter 11 - Fuzzy MCDM Mathematical Modelling for Evaluation and Selection of a Sustainable Supplier -- Chapter 12 - Emission Considerations in an Imperfect Integrated Vendor – Buyer Production Inventory Model with Process Quality Control -- Chapter 13 - Leakage Inventory Models in Fuzzy Environment -- Chapter 14 - Advertisement and Stock Sensitive Demand Inventory Model for Deteriorating Items with Prepayment Scheme under Permitted Shortage and Backordering Rate -- Chapter 15 - A Fuzzy Inventory Problem Based on Management For Deteriorating Item With Remanufacture Process -- Chapter 16 - Inventory Model for Imperfect Quality of Deteriorating Items with Trapezoidal type Demand Rate under Two Storage Problem with Learning Effect -- Chapter 17 - Optimization of Sustainable Integrated Inventory Model for Decaying Items with Multi-Variate Demand and Controllable Emission -- Chapter 18 - Pricing and replenishment planning for non-instantaneous deteriorating products with preservation technology and greening investment -- Chapter 19 - A Decision-Making Perspective for Optimal Supplier Selection in Fermatean Fuzzy Environment -- Chapter 20 - Inventory Management for Deteriorating Items -- Chapter 21 - Effect of carbon emission and sustainable energy on supply chain with imperfect quality items under trade credit policy -- Chapter 22 - Optimal Policy for Production Inventory for Defective Items Produced by Machine Break Down with Partial Backlogging and Controlled Carbon Emission -- Chapter 23 - An inventory model for imperfect quality items with effect of preservational technology investments and promotional efforts when quantity discount is offered -- Chapter 24 - Effects of human errors and carbon emission on a stochastic supply chain model under trade credit -- Chapter 25 - Effect of Inflation on a Sustainable Inventory Model with Imperfect Products and Green Technology under Fuzzy Environment -- Chapter 26 - Sustainable Inventory Model under Green Environment with Renewable energy -- Chapter 27 - Effect of Green Sensitive Demand on Production Inventory Model With Reliability and Partial Trade Credit Policy.

Sommario/riassunto

The book provides various research methods and ordering policies for inventory management in the sustainable environment in India. Sustainable inventory management is an area in which more studies from India are needed. In the age where global warming, environmental disasters, and increased public awareness about environmental issues encourage countries to reduce greenhouse gas (GHG) emissions, this book includes a collection of research studies that elaborate various inventory models to determine optimal ordering policy and provide helpful suggestions for reduction in carbon emission while managing inventory. The book is beneficial for practitioners, educators, and researchers in India and other countries. It is also helpful for retailers/managers to improve business functions and make more accurate and realistic decisions.