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Autore	Sahu Partha Pratim (Writer on optical networks)
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Nota di contenuto	1. Optical Ring Metropolitan Area Network 2. Queuing System and Its Interconnection with Other Networks 3. Routing and Wavelength Assignment 4. Virtual Topology. 5. Wavelength Conversion in WDM Network. 6. Traffic Grooming in Optical Networks. 7. Survivability of Optical Networks. 8. Restoration Schemes in Survivability of Optical Network. 9. Network Reliability and Security. 9. FTTH Standards, Deployments and Issues. 10. Math Labcodesfor Optical FiberCommunication System
Sommario/riassunto	This book is intended as a graduate/post graduate level textbook for courses on high-speed optical networks as well as computer networks. The ten chapters cover basic principles of the technology as well as latest developments and further discuss network security, survivability, and reliability of optical networks and priority schemes used in wavelength routing. This book also goes on to examine Fiber To The Home (FTTH) standards and their deployment and research issues and includes examples in all the chapters to aid the understanding of problems and solutions. Presents advanced concepts of optical network devices Includes examples and exercises inall the chapters of the book to aid the understanding of basic problems and solutions for undergraduate and postgraduate students Discusses optical ring metropolitan area networks and queuing system and its

interconnection with other networks Discusses routing and wavelength assignment Examines restoration schemes in the survivability of optical networks
