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| ***Teacher’s Name*** | ***Subject Name*** | ***Topic Name*** | ***Sub-topic Name*** | ***Type of E-Content*** | ***Course Name*** | ***Year of Course*** | ***Link*** |
| **Deepak Kumar Singh** | **Optical Network**  **(EEC 031)** | E-book (Optical Network - R. Ramaswami) | - | PDF | **B. Tech. Electronics & Communication Engineering**  **(VIII Sem.)** | **4th Year , Session: 2019-2020** | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit - 01 (Introduction to Optical Network) | Assignment (Revision Part) | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| UNIT – 01 (Introduction to Optical Network) | List of Important Questions | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Optical Network (Syllabus) | Syllabus | PDF | As per University Guideline |
| Unit - 02 (Optical Components) | Optical Amplifier | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit -02 (Optical Components) | Introduction of Solitons, Significance of Soliton Pulses, | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit -02 (Optical Components) | Soliton System Design Considerations, Design of Dispersion-Managed Soliton Systems | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit - 02 (Optical Components) | Lasers, Tunable Lasers, | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
|  |  | Unit - 02 (Optical Components) | Switches, Characteristics of Switches, Large Optical Switches, Comparison of different switch architectures | Word Doc. |  | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit - 02 (Optical Components) | Wavelength Converters, Types of Wavelength Converters, | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit - 02 (Optical Components) | Sub-carrier Modulation & Multiplexing, Applications of SCM, and Spectral Efficiency | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit – 03 (WDM Network Elements) | Optical line terminals (OLTs), Optical line Amplifier (OLAs), optical add/drop multiplexers (OADMs), and optical cross connects (OXCs) | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
|  |  | Unit – 03 (WDM Network Elements) | SONET/SDH | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit – 03 (WDM Network Elements) | Multiplexing in SONET/SDH | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit – 03 (WDM Network Elements) | SONET SDH Layers | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |
| Unit – 03 (WDM Network Elements) | SONET SDH Layers and its Frame structure & its description | Word Doc. | Text Book: Optical Networks – ‘A Practical Perspective’3rd Edition  Rajiv Ramaswami, Kumar N. Sivarajan & Galen H. Sasaki |

**Note:** Some WhatsApp lectures, YouTub videos & E-link related to Optical Networks are also shared with students. Solve & discussion students queries related to subject on Whatsapp.