**GEETA DEGREE COLLEGE SHERA, PANIPAT**

**LESSON PLAN 2017-18**

**Name of the Assistant/ Associate Professor : ANJU SHARMA**

**Class and Section : B.Sc-III(COMPUTER SCIENCE)**

**Subject Lesson Plan : P-II COMPUTER NETWORKS**

**Month : January 2018**

|  |  |
| --- | --- |
| **Date** | **Topics** |
| **01-01-2018** | **Introduction to Computer Networks.** |
| **02-01-2018** | **Communications and Networking Technologies.** |
| **03-01-2018** | **Uses of Computer Networks.** |
| **04-01-2018** | **Network Devices, Nodes, and Hosts etc.** |
| **05-01-2018** | **GURU GOVIND SINGH JYANTI** |
| **06-01-2018** | **Types of Computer Networks** |
| **07-01-2018** | **SUNDAY** |
| **08-01-2018** | **Types of Topologies** |
| **09-01-2018** | **Network Software.** |
| **10-01-2018** | **Network Design issues and Protocols** |
| **11-01-2018** | **Connection-Oriented and Connectionless Services** |
| **12-01-2018** | **Network Applications and Application Protocols** |
| **13-01-2018** | **Computer Communications** |
| **14-01-2018** | **SUNDAY** |
| **15-01-2018** | **Networking Models.** |
| **16-01-2018** | **Problem Discussion.** |

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**Month : January 2018**

|  |  |
| --- | --- |
| **Date** | **Particulars** |
| **17-01-2018** | **Network Architecture and the OSI Reference Model** |
| **18-01-2018** | **Network Architecture and the OSI Reference Model** |
| **19-01-2018** | **The Internet** |
| **20-01-2018** | **X.25** |
| **21-01-2018** | **SUNDAY** |
| **22-01-2018** | **VASANT PANCHAMI** |
| **23-01-2018** | **Frame Relay** |
| **24-01-2018** | **SIR CHOTU RAM JAYANTI** |
| **25-01-2018** | **ATM** |
| **26-01-2018** | **REPUBLIC DAY** |
| **27-01-2018** | **Problem Discussion** |
| **28-01-2018** | **SUNDAY** |
| **29-01-2018** | **Seminar** |
| **30-01-2018** | **Analog and Digital Communications** |
| **31-01-2018** | **GURU RAVIDAS BIRTHDAY** |

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**Month : February 2018**

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| **Date** | **Topics** |
| **01-02-2018** | **Representing Data as Analog Signals, Representing Data as Digital Signals** |
| **02-02-2018** | **Data Rate and Bandwidth, Capacity, Baud Rate; Digital Carrier Systems** |
| **03-02-2018** | **Guided and Wireless Transmission** |
| **04-02-2018** | **SUNDAY** |
| **05-02-2018** | **Guided and Wireless Transmission** |
| **06-02-2018** | **Communication Satellites;** |
| **07-02-2018** | **Problem Discussion** |
| **08-02-2018** | **Test** |
| **09-02-2018** | **Switching** |
| **10-02-2018** | **MAHARSHI DAYANAND SARASWATI JAYANTI** |
| **11-02-2018** | **SUNDAY** |
| **12-02-2018** | **Types of Switching** |
| **13-02-2018** | **MAHA SHIVRATRI** |
| **14-02-2018** | **Multiplexing** |
| **15-02-2018** | **Multiplexing** |
| **16-02-2018** | **Dialup Networking** |

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**Subject Lesson Plan : P-II COMPUTER NETWORKS**

**Month : February 2018**

|  |  |
| --- | --- |
| **Date** | **Particulars** |
| **17-02-2018** | **Problem Discussion** |
| **18-02-2018** | **SUNDAY** |
| **19-02-2018** | **Test** |
| **20-02-2018** | **Framing** |
| **21-02-2018** | **Flow Control** |
| **22-02-2018** | **Error Control, Error Detection and Correction** |
| **23-02-2018** | **Sliding Window Protocols** |
| **24-02-2018** | **Media Access Control: Random Access Protocols** |
| **25-02-2018** | **SUNDAY** |
| **26-02-2018** | **Problem Discussion**  |
| **27-02-2018** | **Test** |
| **28-02-2018** | **VACATION**  |

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**Subject Lesson Plan : P-II COMPUTER NETWORKS**

**Month : March 2018**

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| **Date** | **Topics** |
| **01-03-2018** | **GURU RAVIDAS BIRTHDAY** |
| **02-03-2018** | **HOLI** |
| **03-03-2018** | **VACATION** |
| **04-03-2018** | **SUNDAY** |
| **05-03-2018** | **Token Passing Protocols; Token Ring** |
| **06-03-2018** | **Introduction to LAN technologies** |
| **07-03-2018** | **Ethernet** |
| **08-03-2018** | **switched Ethernet** |
| **09-03-2018** | **fast Ethernet** |
| **10-03-2018** | **gigabit Ethernet** |
| **11-03-2018** | **SUNDAY** |
| **12-03-2018** | **token ring** |
| **13-03-2018** | **FDDI** |
| **14-03-2018** | **Wireless LANs** |
| **15-03-2018** | **Bluetooth** |
| **16-03-2018** | **Problem Discussion** |

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**Subject Lesson Plan : P-II COMPUTER NETWORKS**

**Month : March 2018**

|  |  |
| --- | --- |
| **Date** | **Particulars** |
| **17-03-2018** | **Test** |
| **18-03-2018** | **SUNDAY** |
| **19-03-2018** | **Network Hardware Components: Connectors ,Transceivers** |
| **20-03-2018** | **Repeaters, Hubs** |
| **21-03-2018** | **Network Interface Cards and PC Cards** |
| **22-03-2018** | **Bridges**  |
| **23-03-2018** | [**SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV**](http://www.officeholidays.com/countries/india/haryana/2016.php) |
| **24-03-2018** | **Switches, Routers, Gateways;** |
| **25-03-2018** | **SUNDAY/ RAM NAVMI** |
| **26-03-2018** | **Virtual Circuits and Datagrams** |
| **27-03-2018** | **Routing Algorithms** |
| **28-03-2018** | **Congestion Control Algorithms** |
| **29-03-2018** | **MAHAVIR JAYANTI** |
| **30-03-2018** | **GOOD FRIDAY** |
| **31-03-2018** | **Internetworking** |

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**Subject Lesson Plan : P-II COMPUTER NETWORKS**

**Month : April 2018**

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| **Date** | **Topics** |
| **01-04-2018** | **SUNDAY** |
| **02-04-2018** | **Security threats** |
| **03-04-2018** | **Encryption Methods** |
| **04-04-2018** | **Authentication;** |
| **05-04-2018** | **Symmetric – Key Algorithms; Public-Key Algorithms;** |
| **06-04-2018** | **Revision-UNIT -I** |
| **07-04-2018** | **Revision-UNIT -I** |
| **08-04-2018** | **SUNDAY** |
| **09-04-2018** | **Revision-UNIT -I** |
| **10-04-2018** | **Revision-UNIT -I** |
| **11-04-2018** | **Revision-UNIT -II** |
| **12-04-2018** | **Revision-UNIT -II** |
| **13-04-2018** | **Revision-UNIT -II** |
| **14-04-2018** | [**DR AMBEDKAR JAYANTI**](http://www.officeholidays.com/countries/india/ambedkar_jayanti.php) **/** [**VAISAKHI**](http://www.officeholidays.com/countries/india/haryana/2016.php) |
| **15-04-2018** | **SUNDAY** |
| **16-04-2018** | **Revision-UNIT -II** |

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**Month : April 2018**

|  |  |
| --- | --- |
| **Date** | **Particulars** |
| **17-04-2018** | **Revision-UNIT -III** |
| **18-04-2018** | [**PARASHURAMA JAYANTI**](http://www.officeholidays.com/countries/india/2016.php) |
| **19-04-2018** | **Revision-UNIT -III** |
| **20-04-2018** | **Revision-UNIT -III** |
| **21-04-2018** | **Revision-UNIT -III** |
| **22-04-2018** | **SUNDAY** |
| **23-04-2018** | **Revision-UNIT-IV** |
| **24-04-2018** | **Revision-UNIT-IV** |
| **25-04-2018** | **Revision-UNIT-IV** |
| **26-04-2018** | **Revision-UNIT-IV** |
| **27-04-2018** |  |
| **28-04-2018** |  |
| **29-04-2018** |  |
| **30-04-2018** |  |