**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Session Even Semester**

**(2017-18)**

**Class: BCA 3(SIXTH SEM) Name of the Teacher: Sonika**

**Subject: Data communications and networks Period :**

**Paper : Room No :**

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| **S. No** | **Date From** | **Date Upto** | | **Topics to be covered** |
| Week 1 | Jan 08, 2018 | Jan 13, 2018 | | Introduction to Network definition  Introduction to Network Hardware and Software |
| Week 2 | Jan 15, 2018 | Jan 20, 2018 | | Introduction to Network Topologies, Uses of Computer Networks |
| Week 3 | Jan 22, 2018 | Jan 27, 2018 | | Introduction to OSI reference model, Introduction to TCP/IP Reference Model. |
| Week 4 | Jan 29, 2018 | Feb 3, 2018 | | Comparison of OSI &TCP/IP reference model Transmission Media |
| Week 5 | Feb 5, 2018 | Feb 10, 2018 | | Introduction to Multiplexing, Modems Switching, ISDN & its service. |
| Week 6 | Feb 12, 2018 | Feb 17, 2018 | | Design Issue of data link layer, Error Detection & Correction Codes, Elementary Data Link  Protocols, |
| Week 7 | Feb 19, 2018 | Feb 24, 2018 | | Introduction to Static & Dynamic Channel Allocation, Introduction to IEEE standards, Sliding Window Protocol. |
| Week 8 | Feb 26, 2018 | Mar 03 , 2018 | | Design issues of network layer, Routing Algorithms, |
| Week 9 | March 12, 2018 | | March 17, 2018 | Introduction to Shortest path routing, Flooding |
| Week 10 | March 19 , 2018 | | March 24, 2018 | Introduction to Broadcast &Multicast routing |
| Week 11 | March 26, 2018 | | March 31, 2018 | Introduction to Congestion Control |
| Week 12 | April 02, 2018 | | April 07, 2018 | Introduction to Network Security & Privacy |
| Week 13 | April 09, 2018 | | April 14 , 2018 | Introduction to Data Compression & Cryptography. |
| Week 14 | April 16, 2018 | | April 21, 2018 | Introduction to Electronic Mail, Introduction to WWW |
| Week 15 | April 23, 2018 | | April 28, 2018 | Introduction to WWW |
| Week 16 | April 30, 2018 | | May 05, 2018 | Introduction to internetworking |