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

**Teaching Plan Session Odd Semester**

**(2018-19)**

**Class: BCA 5th SEM Name of the Teacher: Sonika**

**Subject: Computer Networks Period :**

**Paper : Room No :**

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| **S. No** | **Date From** | | **Date Upto** | **Topics to be covered** |
| Week 1 | **(For ongoing classes)** | | | Introduction to Network definition  Introduction to Network Hardware and Software |
| July 24, 2018 | | July 28, 2018 |
| Week 2 | July 30, 2018 | August 4, 2018 | | Introduction to Network Topologies, Uses of Computer Networks |
| Week 3 | August 6, 2018 | August 11, 2018 | | Introduction to OSI reference model, Introduction to TCP/IP Reference Model. |
| Week 4 | August 13, 2018 | August 18, 2018 | | Comparison of OSI &TCP/IP reference model Transmission Media |
| Week 5 | August 20, 2018 | August 25, 2018 | | Introduction to Multiplexing, Modems Switching, ISDN & its service. |
| Week 6 | August 27, 2018 | September 1, 2018 | | Design Issue of data link layer, Error Detection & Correction Codes, Elementary Data Link  Protocols, |
| Week 7 | September 3, 2018 | September 8, 2018 | | Introduction to Static & Dynamic Channel Allocation, Introduction to IEEE standards, Sliding Window Protocol. |
| Week 8 | September 10, 2018 | September 15, 2018 | | Design issues of network layer, Routing Algorithms, |
| Week 9 | September 17, 2018 | September 22, 2018 | | Introduction to Shortest path routing, Flooding |
| Week 10 | September 24, 2018 | September 29, 2018 | | Introduction to Broadcast &Multicast routing |
| Week 11 | October 1, 2018 | October 8, 2018 | | Introduction to Congestion Control |
| **MID SEMESTER EXAMINATION (October 11, 2018 to October 17, 2018)** | | | | |
| Week 12 | October 20, 2018 | October 27, 2018 | | Introduction to Network Security & Privacy |
| Week 13 | October 29, 2018 | November 3, 2018 | | Introduction to Data Compression & Cryptography. |
| Week 14 | November 5, 2018 | November 10, 2018 | | Introduction to Electronic Mail, Introduction to WWW |
| Week 15 | November 12, 2018 | November 17, 2018 | | Congestion prevention policies,Leaky bucket and token bucket algorithms. |
| Week 16 | November 19, 2018 | November 22, 2018 | | DNS, DNS Servers, HTTP, EMAIL,MIME |
| Week 17 | November 26, 2018 | December 1, 2018 | | SMTP, POP, FTP, Introduction to NETWORK SECURITY. |