

POST GRADUATE GOVT. COLLEGE FOR GIRLS, SECTOR 11, CHANDIGARH
DEPARTMENT OF COMPUTER APPLICATIONS
WEEKLY TEACHING SCHEDULE (2017-18)
CLASS: BCA VI SEMESTER
TEACHER INCHARGE: MR. MOHIT SANAN
SUBJECT: COMPUTER NETWORKS

SR. NO.	WEEK	TOPIC
1.	08.01.2018 to 12.01.2018	Introduction to Data Communication, Data Communication Fundamentals, Simplex, Half Duplex, Full Duplex.
2.	15.01.2018 to 19.01.2018	Network Definition, Network Hardware and Network Software, Network Topologies.
3.	22.01.2018 to 26.01.2018	Uses of Computer Networks, Applications of Computer Networks, OSI Reference Model.
4.	29.01.2018 to 02.02.2018	TCP/IP Reference Model, Comparison between OSI Reference Model & TCP/IP Reference model.
5.	05.02.2018 to 09.02.2018	Physical Layer: Introduction, Transmission Media: Coaxial Cable, Twisted Pair, Fibre Optics.
6.	12.02.2018 to 16.02.2018	Switching & its types, ISDN: Services & Principles.
7.	19.02.2018 to 23.02.2018	Multiplexing & its types, Comparison between FDM, TDM & WDM, Modems.
8.	26.02.2018 to 02.03.2018	Data Link Layer: Design Issue, Error Detection & Correction Codes, Elementary Data Link Protocols.
9.	05.03.2018 to 09.03.2018	Static & Dynamic Channel Allocation, Introduction to IEEE standards-Token Bus, Token Ring, Ethernet.
10.	12.03.2017 to 16.03.2018	Sliding Window Protocols: One-bit Sliding Window Protocol, Go Back N, Selective Repeat.
11.	19.03.2018 to 23.03.2018	Network Layer: Design Issues, Shortest Path Routing, Flooding, Flow based Routing, Distance Vector Routing, Link State & Hierarchical Routing
12.	26.03.2018 to 30.03.2018	Broadcast & Multicast Routing, Congestion Control Algorithms, Internetworking.
13.	02.04.2018 to 06.04.2018	Network Layer in the Internet: IP Protocol, IP Addresses, Subnets, IPv4 & IPv6.
14.	09.04.2018 to 13.04.2018	Application Layer: Electronic Mail, Remote Login, File Transfer, Steps of File Transfer.
15.	16.04.2018 to 20.04.2018	Data Compression, Firewalls and Cryptography.
16.	23.04.2017 to 27.04.2018	Network Security & Privacy, World Wide Web.
17.	30.04.2018 to 04.05.2018	Revision

