

## Lesson Plan

**Subject-** Computer Science and Applications

**Lesson Plan-** 17 Weeks (July – Nov 2019)

<b>Week</b>	<b>Date</b>	<b>BCA(5<sup>th</sup> Sem) Computer Networks</b>
1	16- July-2019	Introduction to Data Communication and Computer Networks
	17- July-2019	Uses of Computer Networks
	18- July-2019	-
	19- July-2019	-
	20- July-2019	-
	21- July-2019	Sunday
2	22- July-2019	Types of Computer Networks
	23- July-2019	Topologies
	24- July-2019	Topologies
	25- July-2019	-
	26- July-2019	-
	27- July-2019	-
	28- July-2019	Sunday
3	29- July-2019	Network Hardware Components
	30- July-2019	Network Hardware Components
	31- July-2019	Holiday
	1- Aug- 2019	-
	2- Aug- 2019	-
	3- Aug- 2019	-
	4- Aug- 2019	Sunday
4	5- Aug- 2019	Network Software: Network Design issues
	6- Aug- 2019	Network Design Protocols
	7- Aug- 2019	Connection –Oriented and Connectionless Services
	8- Aug- 2019	-
	9- Aug- 2019	-
	10- Aug- 2019	-
	11- Aug- 2019	Sunday
5	12- Aug- 2019	Holiday
	13- Aug- 2019	Connection –Oriented and Connectionless Services
	14- Aug- 2019	OSI Reference Model
	15- Aug- 2019	Holiday
	16- Aug- 2019	-
	17- Aug- 2019	Assignment-1
	18- Aug- 2019	Sunday
6	19- Aug- 2019	Networking Models
	20- Aug- 2019	Emerging File –Sharing Model
	21- Aug- 2019	Analog and Digital Data and Signals
	22- Aug- 2019	-
	23- Aug- 2019	-
	24- Aug- 2019	-

	25- Aug- 2019	Sunday
7	26- Aug- 2019	Bandwidth, Data Rate, Capacity, Baud Rate
	27- Aug- 2019	Transmission Impairment, Data Rate Limits
	28- Aug- 2019	Guided Transmission Media
	29- Aug- 2019	-
	30- Aug- 2019	-
	31- Aug- 2019	-
	1- Sept- 2019	Sunday
8	2- Sept- 2019	Guided Transmission Media
	3- Sept- 2019	Wireless Transmission ,Communication Satellites
	4- Sept- 2019	<b>Sessional</b>
	5- Sept- 2019	-
	6- Sept- 2019	-
	7- Sept- 2019	-
	8- Sept- 2019	Sunday
9	9- Sept- 2019	Switching and Multiplexing
	10- Sept- 2019	<b>Assignment 2</b>
	11- Sept- 2019	Modems and Modulation Techniques
	12- Sept- 2019	-
	13- Sept- 2019	-
	14- Sept- 2019	-
	15- Sept- 2019	Sunday
10	16- Sept- 2019	ADSL and Cable Modems
	17- Sept- 2019	Error Detection and Correction and Overview of Sliding Window Protocols
	18- Sept- 2019	Class test
	19- Sept- 2019	-
	20- Sept- 2019	-
	21- Sept- 2019	-
	22- Sept- 2019	Sunday
11	23- Sept- 2019	Holiday
	24- Sept- 2019	Data Link Layer Design issues/ <b>Revision</b>
	25- Sept - 2019	One-bit, Go Back N and Selective Repeat
	26- Sept - 2019	-
	27- Sept - 2019	-
	28- Sept - 2019	-
	29- Sept - 2019	Sunday
12	30- Sept - 2019	Media Access Control: ALOHA, Slotted ALOHA
	1- Oct- 2019	Media Access Control: ALOHA, Slotted ALOHA
	2- Oct- 2019	Holiday
	3- Oct- 2019	-
	4- Oct- 2019	-
	5- Oct- 2019	-
	6- Oct- 2019	Sunday
	7- Oct- 2019	Introduction to LAN technologies: Ethernet, Switched Ethernet
	8- Oct- 2019	Holiday
	9- Oct- 2019	Fast Ethernet, Gigabit Ethernet; Token Ring
13	10- Oct- 2019	Holiday
	11- Oct- 2019	-
	12- Oct- 2019	-

	13- Oct- 2019	Sunday
14	14- Oct- 2019	Introduction to Wireless LANs and Bluetooth, VLANs
	15- Oct- 2019	Routing Algorithms: Flooding, Shortest Path Routing
	16- Oct- 2019	Distance Vector Routing; Link State Routing, Hierarchical Routing
	17- Oct- 2019	Holiday
	18- Oct- 2019	-
	19- Oct- 2019	-
	20- Oct- 2019	Sunday
15	21- Oct- 2019	Congestion Control; Traffic shaping; Choke packets; Load shedding
	22- Oct- 2019	Elements of Transport Protocols; Network Security Issues
	23- Oct- 2019	Revision
	24- Oct- 2019	-
	25- Oct- 2019	Diwali Break
	26- Oct- 2019	
	27- Oct- 2019	
	28- Oct- 2019	
16	29- Oct- 2019	
	30- Oct- 2019	-
	31- Oct- 2019	-
	1- Nov- 2019	Holiday
	2- Nov- 2019	Holiday
	3- Nov- 2019	Sunday
	4- Nov- 2019	Revision
17	5- Nov- 2019	Discussion over Previous Year papers
	6- Nov- 2019	Discussion over Previous Year papers
	7- Nov- 2019	-
	8- Nov- 2019	-
	9- Nov- 2019	-
	10- Nov- 2019	Sunday