

Lesson Plan

Subject- Computer Science & Applications

Lesson Plan- 16 Weeks (Nov 20 – Feb 21)

Week	Date	BCA(5 th Sem) Computer Networks
1	2- Nov – 2020	Introduction to Data Communication and Computer Networks
	3- Nov – 2020	Uses of Computer Networks
	4- Nov – 2020	Types of Computer Networks
	5- Nov – 2020	-
	6- Nov – 2020	-
	7- Nov - 2020	-
2	8- Nov - 2020	Sunday
	9- Nov - 2020	Topologies
	10- Nov - 2020	Topologies
	11- Nov - 2020	Network Hardware Components
	12- Nov - 2020	-
	13- Nov - 2020	-
	14- Nov - 2020	Holiday
3	15- Nov - 2020	Sunday
	16- Nov - 2020	Holiday
	17- Nov - 2020	Network Hardware Components
	18- Nov - 2020	Network Software: Network Design issues
	19- Nov - 2020	-
	20- Nov - 2020	-
4	21- Nov - 2020	-
	22- Nov - 2020	Sunday
	23- Nov - 2020	Network Design Protocols
	24- Nov - 2020	Holiday
	25- Nov - 2020	Connection –Oriented and Connectionless Services
	26- Nov - 2020	-
	27- Nov - 2020	-
5	28- Nov - 2020	-
	29- Nov - 2020	Sunday
	30- Nov - 2020	Holiday
	1- Dec - 2020	Connection –Oriented and Connectionless Services
	2- Dec - 2020	OSI Reference Model
	3- Dec - 2020	-
6	4- Dec - 2020	Sessional
	5- Dec - 2020	-
	6- Dec - 2020	Sunday
	7- Dec - 2020	Networking Models
	8- Dec - 2020	Emerging File –Sharing Model
6	9- Dec - 2020	Analog and Digital Data and Signals
	10- Dec - 2020	-
	11- Dec - 2020	-
	12- Dec - 2020	-

7	13- Dec - 2020	Sunday
	14- Dec - 2020	Bandwidth, Data Rate, Capacity, Baud Rate
	15- Dec - 2020	Transmission Impairment, Data Rate Limits
	16- Dec - 2020	Guided Transmission Media
	17- Dec - 2020	-
	18- Dec - 2020	-
	19- Dec - 2020	-
8	20- Dec - 2020	Sunday
	21- Dec - 2020	Guided Transmission Media
	22- Dec - 2020	Wireless Transmission ,Communication Satellites
	23- Dec - 2020	Assignment -2
	24- Dec - 2020	-
	25- Dec - 2020	-
	26- Dec - 2020	-
	27- Dec - 2020	Sunday
9	28- Dec - 2020	Switching and Multiplexing
	29- Dec - 2020	Sessional
	30- Dec - 2020	Modems and Modulation Techniques
	31- Dec - 2020	-
	1- Jan - 2021	-
	2- Jan - 2021	-
10	3- Jan - 2021	Sunday
	4- Jan - 2021	ADSL and Cable Modems
	5- Jan - 2021	Sessional
	6- Jan - 2021	Error Detection and Correction and Overview of Sliding Window Protocols
	7- Jan - 2021	-
	8- Jan - 2021	-
	9- Jan - 2021	Class test
11	10- Jan - 2021	Sunday
	11- Jan - 2021	Holiday
	12- Jan - 2021	Data Link Layer Design issues/ Revision
	13- Jan - 2021	One-bit, Go Back N and Selective Repeat
	14- Jan - 2021	-
	15- Jan - 2021	-
	16- Jan - 2021	Revision
12	17- Jan - 2021	Sunday
	18- Jan - 2021	Media Access Control: ALOHA, Slotted ALOHA
	19- Jan - 2021	Media Access Control: ALOHA, Slotted ALOHA
	20- Jan - 2021	Holiday
	21- Jan - 2021	-
	22- Jan - 2021	-
	23- Jan - 2021	-
13	24- Jan - 2021	Sunday
	25- Jan - 2021	Introduction to LAN technologies: Ethernet, Switched Ethernet
	26- Jan - 2021	Holiday
	27- Jan - 2021	Fast Ethernet, Gigabit Ethernet; Token Ring
	28- Jan - 2021	-
	29- Jan - 2021	-

	30- Jan - 2021	-
14	31- Jan - 2021	Sunday
	1- Feb - 2021	Introduction to Wireless LANs and Bluetooth, VLANs
	2- Feb - 2021	Routing Algorithms: Flooding, Shortest Path Routing
	3- Feb - 2021	Distance Vector Routing; Link State Routing, Hierarchical Routing
	4- Feb - 2021	-
	5- Feb - 2021	-
	6- Feb - 2021	-
15	7- Feb - 2021	Sunday
	8- Feb - 2021	Congestion Control; Traffic shaping; Choke packets; Load shedding
	9- Feb - 2021	Elements of Transport Protocols; Network Security Issues
	10- Feb - 2021	Revision
	11- Feb - 2021	-
	12- Feb - 2021	-
	13- Feb - 2021	-
	14- Feb - 2021	Sunday
16	15- Feb - 2021	Revision
	16- Feb - 2021	Revision
	17- Feb - 2021	Revision
	18- Feb - 2021	-
	19- Feb - 2021	-
	20- Feb - 2021	-