

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

LESSON PLAN (SESSION 2025-26)

CLASS: BCA

SEM: 5

FACULTY NAME : Arpita Singh

SUBJECT : COMPUTER NETWORKS

S.No.	Date	Day	Paper No.	Unit Name	Topic
1	16-Jul-25	Wednesday	1	UNIT 1: Data Communication Networks	Introduction to Data communications concepts: Digital and Analog
2	17-Jul-25	Thursday	1	UNIT 1	Introduction to Data communications concepts: Digital and Analog
3	18-Jul-25	Friday	1	UNIT 1	Parallel and Serial,
4	19-Jul-25	Saturday	1	UNIT 1	Parallel and Serial,
5	21-Jul-25	Monday	1	UNIT 1	Synchronous and Asynchronous
	22-Jul-25	Tuesday	CLASS TEACHING		
6	23-Jul-25	Wednesday	1	UNIT 1	Synchronous and Asynchronous
7	24-Jul-25	Thursday	1	UNIT 1	Simplex, Half duplex, Full duplex, Multiplexing and Spreading
8	25-Jul-25	Friday	1	UNIT 1	Simplex, Half duplex, Full duplex, Multiplexing and Spreading
9	26-Jul-25	Saturday	1	UNIT 1	Simplex, Half duplex, Full duplex, Multiplexing and Spreading
10	28-Jul-25	Monday	1	UNIT 1	Simplex, Half duplex, Full duplex, Multiplexing and Spreading
	29-Jul-25	Tuesday	MONTHLY EVALUATION		
11	30-Jul-25	Wednesday	1	UNIT 1	Encoding and Decoding, Error detection and Recovery
12	31-Jul-25	Thursday	1	UNIT 1	Encoding and Decoding, Error detection and Recovery
13	1-Aug-25	Friday	1	UNIT 1	Encoding and Decoding, Error detection and Recovery
14	2-Aug-25	Saturday	1	UNIT 1	Multiplexing, Network topologies
15	4-Aug-25	Monday	1	UNIT 1	Multiplexing, Network topologies
	5-Aug-25	Tuesday	CLASS TEACHING		
16	6-Aug-25	Wednesday	1	UNIT 1	Modulation, OSI and TCP/IP references model
17	7-Aug-25	Thursday	1	UNIT 1	Modulation, OSI and TCP/IP references model
18	8-Aug-25	Friday	1	UNIT 2 : Communication Channels and Components	Wired transmissions: UTP, STP

19	11-Aug-25	Monday	1	UNIT 2	Wired transmissions: UTP, STP
20	12-Aug-25	Tuesday	1	UNIT 2	Telephone lines, Coaxial cables, Baseband, Broadband, Optical fiber transmission
	13-Aug-25	Wednesday	CLASS TEACHING		
21	14-Aug-25	Thursday	1	UNIT 2	Telephone lines, Coaxial cables, Baseband, Broadband, Optical fiber transmission
22	18-Aug-25	Monday	1	UNIT 2	Telephone lines, Coaxial cables, Baseband, Broadband, Optical fiber transmission
23	19-Aug-25	Tuesday	1	UNIT 2	Telephone lines, Coaxial cables, Baseband, Broadband, Optical fiber transmission
24	20-Aug-25	Wednesday	1	UNIT 2	Telephone lines, Coaxial cables, Baseband, Broadband, Optical fiber transmission
25	21-Aug-25	Thursday	1	UNIT 2	Microwave transmission: Infrared transmission, Laser transmission, Radio
	22-Aug-25	Friday	CLASS TEACHING		
26	23-Aug-25	Saturday	1	UNIT 2	Microwave transmission: Infrared transmission, Laser transmission, Radio
27	25-Aug-25	Monday	1	UNIT 2	Microwave transmission: Infrared transmission, Laser transmission, Radio
28	26-Aug-25	Tuesday	1	UNIT 2	Microwave transmission: Infrared transmission, Laser transmission, Radio
29	27-Aug-25	Wednesday	1	UNIT 2	VSAT; Network connecting devices, Switching
30	28-Aug-25	Thursday	1	UNIT 2	VSAT; Network connecting devices, Switching
	29-Aug-25	Friday	MONTHLY EVALUATION		
31	30-Aug-25	Saturday	1	UNIT 2	VSAT; Network connecting devices, Switching
32	1-Sep-25	Monday	1	UNIT 2	Revision
33	2-Sep-25	Tuesday	1	Unit 3 Data Link Layer	Design Issue: Services provided to the network layer, Framing, Error control, Flow
34	3-Sep-25	Wednesday	1	UNIT 3	Design Issue: Services provided to the network layer, Framing, Error control, Flow
35	4-Sep-25	Thursday	1	UNIT 3	Design Issue: Services provided to the network layer, Framing, Error control, Flow
	6-Sep-25	Saturday	CLASS TEACHING		
36	8-Sep-25	Monday	1	UNIT 3	Design Issue: Services provided to the network layer, Framing, Error control, Flow
37	9-Sep-25	Tuesday	1	UNIT 3	Data link layer in the internet (SLIP, PPP)
38	10-Sep-25	Wednesday	1	UNIT 3	MAC sub layer: ALOHA, CSMA/CD, IEEE standards, FDMA, TDMA, CDMA
39	11-Sep-25	Thursday	1	UNIT 3	MAC sub layer: ALOHA, CSMA/CD, IEEE standards, FDMA, TDMA, CDMA
40	12-Sep-25	Friday	1	UNIT 3	MAC sub layer: ALOHA, CSMA/CD, IEEE standards, FDMA, TDMA, CDMA

	13-Sep-25	Saturday	CLASS TEACHING		
41	15-Sep-25	Monday	1	UNIT 3	MAC sub layer: ALOHA, CSMA/CD, IEEE standards, FDMA, TDMA, CDMA
42	16-Sep-25	Tuesday	1	UNIT 3	MAC sub layer: ALOHA, CSMA/CD, IEEE standards, FDMA, TDMA, CDMA
43	17-Sep-25	Wednesday	1	UNIT 3	Frame Relay, ATM
44	18-Sep-25	Thursday	1	UNIT 3	Frame Relay, ATM
45	19-Sep-25	Friday	1	Unit 4 : LAN and WAN Network	LAN topologies and protocols
	20-Sep-25	Saturday	CLASS TEACHING		
46	22-Sep-25	Monday	1	UNIT 4	LAN topologies and protocols
47	23-Sep-25	Tuesday	1	UNIT 4	Ethernet, Token Ring, FDDI, Wireless LANs; Virtual LANs,
48	24-Sep-25	Wednesday	1	UNIT 4	Ethernet, Token Ring, FDDI, Wireless LANs; Virtual LANs,
49	25-Sep-25	Thursday	1	UNIT 4	Ethernet, Token Ring, FDDI, Wireless LANs; Virtual LANs,
50	26-Sep-25	Friday	1	UNIT 4	WAN: Network Layer (Addressing and Routing concepts); Routing Methods (Static
	27-Sep-25	Saturday	MONTHLY EVALUATION		
51	29-Sep-25	Monday	1	UNIT 4	WAN: Network Layer (Addressing and Routing concepts); Routing Methods (Static
52	30-Sep-25	Tuesday	1	UNIT 4	WAN: Network Layer (Addressing and Routing concepts); Routing Methods (Static
53	3-Oct-25	Friday	1	UNIT 4	Distance Vector Protocol, Link State protocol, Open Shortest Path First; Internet Protocol: Addressing & Routing;
54	4-Oct-25	Saturday	1	UNIT 4	Distance Vector Protocol, Link State protocol, Open Shortest Path First; Internet Protocol: Addressing & Routing;
55	6-Oct-25	Monday	1	UNIT 4	Internet Control Message Protocol, Address Resolution Protocol, Dynamic Host Control
	7-Oct-25	Tuesday	CLASS TEACHING		
56	8-Oct-25	Wednesday	1	UNIT 4	Internet Control Message Protocol, Address Resolution Protocol, Dynamic Host Control Protocol,
57	9-Oct-25	Thursday	1	UNIT 4	Internet Control Message Protocol, Address Resolution Protocol, Dynamic Host Control Protocol,
58	10-Oct-25	Friday	1	UNIT 4	Internet Control Message Protocol, Address Resolution Protocol, Dynamic Host Control Protocol,

59	11-Oct-25	Saturday	1	UNIT 4	Process-to-Process delivery in Transport Layer: UDP, TCP, STCP, Congestion control.
	13-Oct-25	Monday	MID - TERM EXAM SCHEDULE		
	14-Oct-25	Tuesday			
	15-Oct-25	Wednesday			
	16-Oct-25	Thursday			
	17-Oct-25	Friday			
	18-Oct-25	Saturday			
51	21-Oct-25	Tuesday	1	UNIT 4	Process-to-Process delivery in Transport Layer: UDP, TCP, STCP, Congestion control.
52	24-Oct-25	Friday	1	UNIT 4	Process-to-Process delivery in Transport Layer: UDP, TCP, STCP, Congestion control.
53	25-Oct-25	Saturday	1	UNIT 4	Process-to-Process delivery in Transport Layer: UDP, TCP, STCP, Congestion control.
54	27-Oct-25	Monday	1	UNIT 5 : Application Layer Protocols	Client/Server Model, Network File System (NFS)
55	28-Oct-25	Tuesday	1	UNIT 4	Client/Server Model, Network File System (NFS)
	29-Oct-25	Wednesday	CLASS TEACHING		
56	30-Oct-25	Thursday	1	UNIT 4	Remote Login: Telnet; File Transfer Protocol (FTP)
57	31-Oct-25	Friday	1	UNIT 4	E-mail system: Simple Mail Transfer Protocol (SMTP), Post Office Protocol (POP); World
58	1-Nov-25	Saturday	1	UNIT 4	E-mail system: Simple Mail Transfer Protocol (SMTP), Post Office Protocol (POP); World Wide Web (WWW)
59	3-Nov-25	Monday	1	UNIT 4	Domain Name System (DNS), Hyper Text Transfer Protocol (HTTP), Hyper Text Markup
60	4-Nov-25	Tuesday	1	UNIT 4	Domain Name System (DNS), Hyper Text Transfer Protocol (HTTP), Hyper Text Markup
	6-Nov-25	Thursday	CLASS TEACHING		
61	7-Nov-25	Friday	1	Unit 1	Revision
62	8-Nov-25	Saturday	1	Unit 2	Revision
63	10-Nov-25	Monday	1	Unit 3	Revision
64	11-Nov-25	Tuesday	1	Unit 3	Revision
65	12-Nov-25	Wednesday	1	Unit 4	Revision
	13-Nov-25	Thursday	CLASS TEACHING		
66	14-Nov-25	Friday	1	Unit 4	Revision
67	15-Nov-25	Saturday	1	Unit 5	Revision