

LESSON PLAN (SESSION 2024-25)

CLASS:- BSc	SEM:- 6TH	FACULTY NAME :- PRIYANSHU SRIVASTAVA & ARPITA SINGH
SUBJECT :- Data Communication and Computer Network (CSC 305) && Cyber Security & Cyber Laws (CSC 306)		

S.N o.	Date.	Day	Paper No.	Unit Name.	Topic.
1	16-Jan-25	Thursday	CSC 305	Introduction to Signals	Data and Information, Data communication, Characteristics of data communication
2	17-Jan-25	Friday	CSC 306	Unit-1:Introduction	Introduction to Information System, Type of information system, Development of
3	18-Jan-25	Saturday	CSC 306	Unit-1:Introduction	
4	20-Jan-25	Monday	CSC 305	Introduction to Signals	Components of data communication, Data Representation
5	20-Jan-25	Monday	CSC 306	Unit-1:Introduction	Introduction to Information System, Type of information system, Development of
6	21-Jan-25	Tuesday	CSC 305	Introduction to Signals	Components of data communication, Data Representation
7	21-Jan-25	Tuesday	CSC 306	Unit-1:Introduction	CIA model of Information Characteristics
	22-Jan-25	Wednesday	CSC 305	CLASS TEACHING	
8	23-Jan-25	Thursday	CSC 305	Introduction to Signals	Data Flow, Simplex,Half Duplex, Full Duplex
9	24-Jan-25	Friday	CSC 306	Unit-1:Introduction	Introduction to Information Security, Need of Information Security, Cyber Security, Introduction to Information Security, Need of Information Security, Cyber Security,
10	25-Jan-25	Saturday	CSC 306	Unit-1:Introduction	
11	27-Jan-25	Monday	CSC 305	Introduction to Signals	Data Flow, Simplex,Half Duplex, Full Duplex
12	27-Jan-25	Monday	CSC 306	Unit-1:Introduction	Introduction to Information Security, Need of Information Security, Cyber Security,
13	28-Jan-25	Tuesday	CSC 305	Introduction to Signals	Analog and Digital Signals, Periodic and A periodic signals
14	28-Jan-25	Tuesday	CSC 306	UNIT-2	Information Security Techniques
	29-Jan-25	Wednesday	CSC 305	MONTHLY EVALUATION	
15	30-Jan-25	Thursday	CSC 305	Introduction to Signals	Analog and Digital Signals, Periodic and A periodic signals
16	31-Jan-25	Friday	CSC 306	UNIT-2	Introduction to Cryptography: Terminology, Cryptanalysis, Security of Algorithms
17	1-Feb-25	Saturday	CSC 306	UNIT-2	
18	4-Feb-25	Tuesday	CSC 305	Introduction to Signals	Analog and Digital Signals, Periodic and A periodic signals
19	4-Feb-25	Tuesday	CSC 306	UNIT-2	Introduction to Cryptography: Terminology, Cryptanalysis, Security of Algorithms

20	5-Feb-25	Wednesday	CSC 305	Basic Concepts of Networks	Components of data communication, standards and organizations
	6-Feb-25	Thursday	CSC 305	CLASS TEACHING	
21	7-Feb-25	Friday	CSC 306	UNIT-2	Introduction to Cryptography: Terminology, Cryptanalysis, Security of Algorithms
22	8-Feb-25	Saturday	CSC 306	UNIT-2	Introduction to Cryptography: Terminology, Cryptanalysis, Security of Algorithms
23	10-Feb-25	Monday	CSC 305	Basic Concepts of Networks	Network Classification, Network Topologies;
24	10-Feb-25	Monday	CSC 306	UNIT-2	Introduction to Cryptography: Terminology, Cryptanalysis, Security of Algorithms
25	11-Feb-25	Tuesday	CSC 305	Basic Concepts of Networks	Network Classification, Network Topologies;
26	11-Feb-25	Tuesday	CSC 306	UNIT-2	Substitution Cipher and Transposition Cipher, Single XOR, One-way Pad
27	13-Feb-25	Thursday	CSC 305	Basic Concepts of Networks	network protocol; layered
	14-Feb-25	Friday	CSC 306	CLASS TEACHING	
28	15-Feb-25	Saturday	CSC 306	UNIT-2	Substitution Cipher and Transposition Cipher, Single XOR, One-way Pad
29	17-Feb-25	Monday	CSC 305	Basic Concepts of Networks	network protocol; layered
30	17-Feb-25	Monday	CSC 306	UNIT-2	Substitution Cipher and Transposition Cipher, Single XOR, One-way Pad
31	18-Feb-25	Tuesday	CSC 305	Basic Concepts of Networks	overview of OSI reference model; overview of TCP/IP protocol suite.
32	18-Feb-25	Tuesday	CSC 306	UNIT-2	Substitution Cipher and Transposition Cipher, Single XOR, One-way Pad
33	19-Feb-25	Wednesday	CSC 305	Basic Concepts of Networks	overview of OSI reference model; overview of TCP/IP protocol suite.
34	20-Feb-25	Thursday	CSC 305	Physical Layer and Data Link Layer:	Cabling, Network Interface Card, Transmission Media Devices-Repeater
	21-Feb-25	Friday	CSC 306	MONTHLY EVALUATION	
35	22-Feb-25	Saturday	CSC 306	Unit: 3 Cryptographic Protocols	Arbitrated and Adjudicated Protocol, One-Way Hash function, Public key cryptography
36	24-Feb-25	Monday	CSC 305	Physical Layer and Data Link Layer:	Hub, Bridge, Switch, Router, Gateway, Designing issues
37	24-Feb-25	Monday	CSC 306	Unit: 3 Cryptographic Protocols	Arbitrated and Adjudicated Protocol, One-Way Hash function, Public key cryptography
38	25-Feb-25	Tuesday	CSC 305	Physical Layer and Data Link Layer:	Framing and Data Link Control, Error detection schemes (parity, checksums,
39	25-Feb-25	Tuesday	CSC 306	Unit: 3 Cryptographic Protocols	Arbitrated and Adjudicated Protocol, One-Way Hash
40	27-Feb-25	Thursday	CSC 305	Physical Layer and Data Link Layer:	CRCs), Error correction schemes (Hamming codes, binary convolution codes),
41	28-Feb-25	Friday	CSC 306	Unit: 3 Cryptographic Protocols	Arbitrated and Adjudicated Protocol, One-Way Hash function, Public key cryptography
	1-Mar-25	Saturday	CSC 306	CLASS TEACHING	

42	3-Mar-25	Monday	CSC 305	Physical Layer and Data Link Layer:	CRCs), Error correction schemes (Hamming codes, binary convolution codes),
43	3-Mar-25	Monday	CSC 306	Unit: 3 Cryptographic Protocols	Digital Signature, Digital Watermarking Technique: Characteristics and Types.
44	4-Mar-25	Tuesday	CSC 305	Physical Layer and Data Link Layer:	Data link layer protocols (Simplest, Stop & Wait ARQ, Go-Back-N ARQ, Selective Repeat ARQ, Sliding Window)
45	4-Mar-25	Tuesday	CSC 306	Unit: 3 Cryptographic Protocols	Digital Signature, Digital Watermarking Technique: Characteristics and Types.
46	5-Mar-25	Wednesday	CSC 305	Physical Layer and Data Link Layer:	Data link layer protocols (Simplest, Stop & Wait ARQ, Go-Back-N ARQ, Selective Repeat ARQ, Sliding Window)
47	6-Mar-25	Thursday	CSC 305	Physical Layer and Data Link Layer:	MAC sub layer (Ethernet, ALOHA, CSMA family, Contention-free access / Token Ring).
48	7-Mar-25	Friday	CSC 306	Unit: 3 Cryptographic Protocols	Digital Signature, Digital Watermarking Technique: Characteristics and Types.
	8-Mar-25	Saturday	CSC 306	CLASS TEACHING	
49	10-Mar-25	Monday	CSC 305	Physical Layer and Data Link Layer:	MAC sub layer (Ethernet, ALOHA, CSMA family, Contention-free access / Token Ring).
50	10-Mar-25	Monday	CSC 306	Unit: 3 Cryptographic Protocols	Digital Signature, Digital Watermarking Technique: Characteristics and Types.
51	11-Mar-25	Tuesday	CSC 305	Network Layer and Transport Layer	Design issues, Switching, Routing algorithms (Shortest path, Link state, Flooding,
52	11-Mar-25	Tuesday	CSC 306	UNIT-4 Security Policies	Why Policies should be developed, WWW policies, Email Security policies
53	17-Mar-25	Monday	CSC 305	Network Layer and Transport Layer	Broadcast, Multicast), Packet Scheduling, Internetworking, Internet Protocol (IPv4,IPv6)
54	17-Mar-25	Monday	CSC 306	UNIT-4 Security Policies	Why Policies should be developed, WWW policies, Email Security policies
55	18-Mar-25	Tuesday	CSC 305	Network Layer and Transport Layer	Broadcast, Multicast), Packet Scheduling, Internetworking, Internet Protocol (IPv4,IPv6)
56	18-Mar-25	Tuesday	CSC 306	UNIT-4 Security Policies	Why Policies should be developed, WWW policies, Email Security policies
57	19-Mar-25	Wednesday	CSC 305	Network Layer and Transport Layer	IP addressing, Internet Control Protocols (IMCP, ARP, DHCP), Mobile IP,
	20-Mar-25	Thursday	CSC 305	CLASS TEACHING	
58	21-Mar-25	Friday	CSC 306	UNIT-4 Security Policies	Policy Review Process-Corporate policies - Sample Security Policies
59	22-Mar-25	Saturday	CSC 306	UNIT-4 Security Policies	Policy Review Process-Corporate policies - Sample Security Policies
	24-Mar-25	Monday	MID - TERM EXAM SCHEDULE		
	25-Mar-25	Tuesday			
	26-Mar-25	Wednesday			
	27-Mar-25	Thursday			
	28-Mar-25	Friday			

	29-Mar-25	Saturday			
60	1-Apr-25	Tuesday	CSC 305	Network Layer and Transport Layer	IP addressing, Internet Control Protocols (IMCP, ARP, DHCP), Mobile IP,
61	1-Apr-25	Tuesday	CSC 306	UNIT-4 Security Policies	Policy Review Process-Corporate policies - Sample Security Policies
62	2-Apr-25	Wednesday	CSC 305	Network Layer and Transport Layer	Transport layer services, Connection establishment and teardown,
63	3-Apr-25	Thursday	CSC 305	Network Layer and Transport Layer	Transport layer services, Connection establishment and teardown,
64	4-Apr-25	Friday	CSC 306	Unit 5 : Cyber Laws	Information Security Standards
65	5-Apr-25	Saturday	CSC 306	Unit 5 : Cyber Laws	IT Act 2000 Provisions, Introduction to digital laws, cyber laws
	7-Apr-25	Monday	CSC 305	CLASS TEACHING	
	7-Apr-25	Monday	CSC 306	CLASS TEACHING	
66	8-Apr-25	Tuesday	CSC 305	Network Layer and Transport Layer	Transport layer services, Connection establishment and teardown,
67	8-Apr-25	Tuesday	CSC 306	Unit 5 : Cyber Laws	IT Act 2000 Provisions, Introduction to digital laws, cyber laws
68	9-Apr-25	Wednesday	CSC 305	Network Layer and Transport Layer	TCP, UDP, Congestion Control, Quality of Service
69	11-Apr-25	Friday	CSC 306	Unit 5 : Cyber Laws	IT Act 2000 Provisions, Introduction to digital laws, cyber laws
70	12-Apr-25	Saturday	CSC 306	Unit 5 : Cyber Laws	intellectual property rights, copyright laws, patent laws, software license
71	15-Apr-25	Tuesday	CSC 305	Network Layer and Transport Layer	TCP, UDP, Congestion Control, Quality of Service
72	15-Apr-25	Tuesday	CSC 306	Unit 5 : Cyber Laws	intellectual property rights, copyright laws, patent laws, software license
	16-Apr-25	Wednesday	CSC 305	CLASS TEACHING	
73	17-Apr-25	Thursday	CSC 305	Network Layer and Transport Layer	Domain Name System, World Wide Web.
74	19-Apr-25	Saturday	CSC 306	Unit 5 : Cyber Laws	intellectual property rights, copyright laws, patent laws, software license
75	21-Apr-25	Monday	CSC 305	Network Layer and Transport Layer	Domain Name System, World Wide Web.
76	21-Apr-25	Monday	CSC 306	Unit 5 : Cyber Laws	intellectual property rights, copyright laws, patent laws, software license
77	22-Apr-25	Tuesday	CSC 305	Network Security:	Common Terms, Firewalls
78	22-Apr-25	Tuesday	CSC 306	Unit 5 : Cyber Laws	intellectual property rights, copyright laws, patent laws, software license
79	23-Apr-25	Wednesday	CSC 305	Network Security:	Common Terms, Firewalls
	24-Apr-25	Thursday	CSC 305	MONTHLY EVALUATION	
80	25-Apr-25	Friday	CSC 306	Unit 5	REVISION

81	26-Apr-25	Saturday	CSC 306	Unit 4	REVISION
82	28-Apr-25	Monday	CSC 305	Network Security:	Virtual Private Networks
83	28-Apr-25	Monday	CSC 306	Unit 3	REVISION
84	29-Apr-25	Tuesday	CSC 305	Network Security:	Virtual Private Networks
85	29-Apr-25	Tuesday	CSC 306		REVISION
86	30-Apr-25	Wednesday	CSC 305	REVISION	REVISION