PRN:		Course Code:	PCA301

000400

Second Year **M.C.A.**(Backlog) End Semester Examination Winter 2024

Computer Network and Security

Day and Date: Fri 22 NOV 2024 Max Marks: **100**

Time: 10:30AM To 01:30PM Duration: **03** hrs.

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	List and Explain issues in Data link Layer	08	L1	CO1
	b)	Illustrate FDDI	08	L2	CO2
		OR			
	b)	Explain Error correction and Detection	08	L5	CO2
Q.2		**Attempt the following**			
	a)	Elaborate Circuit Switching	08	L6	CO3
	b)	Tell Packet Switching	08	L1	CO1
		OR			
	b)	List any four features of Logical Addressing	08	L1	CO2
Q.3		**Attempt any two from the following**			
	a)	Explain Transmission Control Protocol	08	L2	CO1
	b)	Illustrate DNS	08	L2	CO3
	c)	Tell HTTP in detail	08	L1	CO2
Q.4		**Attempt any two from the following**			
	a)	Compare in between substitution ciphers and transposition ciphers.	08	L2	CO3
	b)	Explain Block Ciphers	08	L2	CO2
	c)	Define cryptographic attacks, explain security goals in detail	08	L1	CO1
Q.5		**Attempt any Two of the following**			
	a)	What is mean by DES structure?	09	L1	CO1
	b)	Tell Encryption standards	09	L4	CO4
	c)	Explain Key Expansion	09	L6	CO4
Q.6		**Attempt any Two of the following**			
	a)	Compare in Between MAC and HMAC	09	L2	CO2
	b)	Tell Digital Signature	09	L1	CO2
	c)	Explain Message Authentication	09	L2	CO1

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