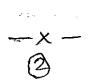
No. of Printed Pages: 2

"SARDAR PATEL UNIVERSITY

Master of Computer Applications (M.C.A.) IV - Semester Examination PS04CMCA03 Computer Networks - II Wednesday, 24th October, 2018

Time:	2:00	pm to 5:00 pm Max. Marks: 70	
Q.1		Give answers of following Multiple choice questions:	[8]
	(i)	In 10Base2, 10 show the a. Speed b. Frequency c. Power d. Voltage	•
	(ii)	assuring that a message comes from the true sender?	
		a. Authentication b. Integrity c. Confidentiality d. None of these	
	(iii)	is the process of converting cipher text into plain text.	
		a. Decryption b. Authentication c. Digital Sign d. Encryption	
	(iv)	The datalink layer concerns with	
		a. Bits b. Packets c. Frames d. None of these	
	(v)	The IEEE 802.11 standard is used to define wireless	
		a. LAN b. MAN c. WAN d. All of these	
	(vi)	The two-wire connections between each subscriber's telephone end office are known as a. Tall office b. End office c. Local loop d. None of these	
	(vii)	Which field(s) is/are used during non-transparent fragmentation?	
		a. Offset b. Flag c. Packet Number d. All of these	
	(viii)	Which of the following types of waves travel in all directions?	
		a. X-rays b. Gamma c. Radio waves d. Infrared	
Q.2		Do as directed (Any Seven):	[14]
	(i)	Difference between flow control and congestion control	
	(ii)	Difference between Piconet and Scatternet.	
	(iii)	What do you mean by Gigabit Ethernet?	
	(iv)	List two applications of satellite communication.	
	(v)	Differentiate between Co-channel and Adjacent channel interference in	
		wireless cellular topology. What is handoff? Difference between soft handoff and hard handoff.	
	(vi)	Discuss the concept of tunneling in brief.	
	(vii)	CEDMO LIDE	
	(viii)	Explain caesar cipher with an example.	
	(ix)		[6]
Q.3	[A]	Explain Fast Ethernet in detail.	
	[B]	Explain Congestion control in detail.	[6]
		OR (i) and a stallit	. rei
	[B]	Discuss the comparison between fibre optics and satellite communication in detail.	e [6]
		(P)	(0)

Q.4	[A]	Explain LEO, MEO & GEO satellite communication in detail.	[6]
	[B]	Explain transparent and non-transparent fragmentation in detail.	[6]
		OR	
	[B]	Explain transposition cipher with an example.	[6]
Q.5	[A]	Write a note on firewall.	[6]
	[B]	Explain Distance Vector routing algorithm with an example.	[6]
		OR	
	[B]	Discuss virtual private networks.	[6]
Q.6	[A]	Explain Mobile Telephone System.	[6]
	[B]	Define: Encryption & Decryption. Explain RSA algorithm with an example.	[6]
		OR	
	[B]	Define: Wireless Geolocation. Explain the general architecture of geolocation system.	[6]



7.