SARDAR PATEL UNIVERSITY

Masters in Information Technology (IT)

III Semester Examination - 2012

PS03CINT02 Subject: Data Communication and Network

Monday, 3-December-2012

Time: 10:30 a.m. to 1:30 p.m.

Max. Marks: 70

Q-1	Answe	r the following	[0]	8]		
65	1)	device connected by communication links.	0]			
		a) Network	b) Node			
		c) Router	d) Bridge			
	2)	What does OSI stands fo	r?			
		a) Open Stage Interconne	ection b) Open System Interconnection			
		c) Open Surface Intercon				
	3)	3) Which of the following are the notations of IPv4?				
		 a) binary notation 	b) dotted decimal notation			
		c) a & b	d) None of These			
	4)	A Packet in the IPV4 is ca	illed .			
		a) Datagrams	b) Data Marts			
		c) Data Block	d) None of These			
	5)	5) The model is a layered framework for the design of networks				
		system that allows communication between all types of computers.				
		a) ISO	b) TCP/IP			
		c) OSI	a) UDDI			
	6)	WSP is binary version of_				
		a)HTML	b)XML			
		c)WML	d)HTTP			
	7)	The full form of WTA is _				
		a) Wireless Transport App	plication b) Wireless Transfer Adaptor			
85		c)Wireless Telephony App				
	8)	Full form of GPRS is				
		a)General Package Radio	Service b)General Packet Radio Server			
		c)General Package Radio				
			water the company of			

Q-2		Following Questions (Any Seven)	[14]	
	 Give the difference between IPV4 V/S IPV6. 			
	2)			
	3)) What is SMS? Explain in brief.		
	4)	List all the layers of OSI model.		
	5)			
	6)	What is UDP and give main purpose.		
	7)	Give brief idea about Bluetooth.		
	8)	Define Gateway and give main function of it.		
	9)	List and explain any one function performed by Session Layer.		
	revoluta	Fallousing Protocols	[06]	
Q-3 A	Explain	Following Protocols. 1. SMTP 2. FTP		
	- 12		[06]	
Q-3 B	Explain	i IP header in detail.		
Q-3 B		do you mean by Congestion? Explain Congestion control policy. Explain Congestion Model.	[06]	
Q-4 A	Explair	n Following	[06]	
	10251 10392	1. Bridge 2. Router	[06]	
Q-4 B	Explain	n TCP/IP Reference Model. OR		
Q-4 B	Explai	n Satellite Networks in detail.	[06]	
Q-5 A	Write	a note on Comparison between TCP and OSI Model.	[06]	
Q-5 B	Evnlai	n any five WML elements in brief.	[06]	
Q-3 B	LAPIG	OR		
Q-5 B	Explai	in OMG reference Model.	[06]	
064	Evalo	in WAP Protocol Stack in detail.	[06]	
Q-6 A Q-6 B		in CORBA architecture in Detail.	[06]	
Q-6 B	Exhia	OR		
O-6 B	Piaco	ss Design Issues of DCOM.	[06]	
4 J-D H	L DINCH			