WPZ-8385

(Contd.)

M.Sc. Semester-I (CBCS Scheme) Examination COMPUTER SOFTWARE (NEW) 1 MCSW4: COMPUTER NETWORKS

Time : Three Hours] [Maxim			Marks: 80			
N.B.:— (1) All questions are compulsory.						
		(2) Give suitable diagram wherever necessary.				
1.	(a)	Draw the layered architecture of TCP/IP model. Describe its services.	8			
	(b)	What are the different modes of Data Transmission? Explain serial management Transmission.	node of Data			
. OR						
2.	(a)	What is Packet Switched Network? Explain the working of circuit s message switched.	switched and 8			
	(b)	Describe the various Guided communication media.	7			
3.	(a)	Explain various types of HTTP connections.	7			
	(b)	What is FTP ? Explain the FTP commands with examples.	6			
		OR				
4.	(a)	What is DNS ? Explain services and working of DNS.	7			
	(b)	What is SMTP ? Explain.	6			
5.	(a)	Explain the transport layer services with examples.	7			
	(b)	What are Sockets? Explain.	6			
OR						
6.	(a)	Describe connectionless transport UDP protocol in detail.	7			
	(b)	Describe the services provided by UDP.	6			
7.	(a)	Describe the working of RIP.	6			
	(b)	State and explain IPV ₆ Internet protocol.	7			
OR						
8.	(a)	Write short notes on :				
		(i) BGP				
		(ii) OSPF.	7			
	(b)	Explain the services provided by network layer.	6			
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9.	(a)	Describe the characteristic of point to point protocol.	7
	(b)	Write short notes on:	
		(i) HUB	
		(ii) SWITCHES.	6
		OR	
10.	(a)	Explain parity checking and logitudinal redundancy checking techniques.	7
	(b)	Write short notes on:	
		(i) ATM	
		(ii) X.25.	6
11.	(a)	What is digital signature? Write the procedure for creating a digital signature.	7
	(b)	Write short notes on:	
		(i) MïB	
		(ii) SNMP.	6
		OR	
12.	(a)	What is Network Management? Describe the various areas of network management	ent.
			7
	(b)	What is symmetric key cryptography? Explain with neat and clean diagram.	6