BE101CS - TCP / IP and Internet

P. Pages : 1

Time : Three Hours

2945

GUG/S/23/14231

Max. Marks : 80

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Notes : 1. All questions are compulsory.
2. Assume suitable data wherever necessary.
3. Illustrate your answers wherever necessary with the help of neat sketches.

1.	a)	Draw an ARP packet format and explain the significance of proxy ARP.	**8**
	b)	Write short note on:	**8**
		i) DHCP ii) BOOTP	

OR

2.	a)	Explain ICMP error messages.	**8**
	b)	What is IP addressing? Explain classful IP addressing.	**8**

3.	a)	Explain distance vector routing protocol with example.	**8**
	b)	Write short note on RIP.	**8**

OR

4.	a)	Write short note on IGMP.	**8**
	b)	What is BGP? Discuss internal and external BGP.	**8**

5.	a)	Differentiate between UDP, TCP and SCTP.	**8**
	b)	Explain state transition diagram of TCP.	**8**

OR

6.	a)	Briefly explain services provided by transport layer protocol.	**8**
	b)	Explain TCP connection establishment and TCP connection, termination procedures.	**8**

7.	a)	Define socket. Explain procedure calls for client and server.	**8**
	b)	What do you mean by iterative resolution and recursive resolution of a domain name? Explain the zone file used in resolving of DNS.	**8**

OR

8.	a)	Draw and explain two different types of FTP connections.	**8**
	b)	Define Browser. Draw its structure and state the format of URL.	**8**

9.	a)	What are various audio compression techniques? Explain.	**8**
	b)	Explain Gateway control protocol?	**8**

OR

10.	a)	Write short note on:	**8**
		i) H-323 ii) SIP	
	b)	Discuss RTP packet format with neat sketch.	**8**

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