## Paper / Subject Code: 52907 / Internet & Voice Communication

(3Hours)	[Total marks 80]
Note: (1) Question No 1 is compulsory (2) Solve any three from remaining questions. (3) Assume suitable data if required.	
<ul> <li>Q.1 (a) Why TCP is not suitable for interactive multimedia traffic, while U</li> <li>(b) How iterative resolution differs from recursive resolution in D</li> <li>(c) Differentiate between Subnetting and Supernetting.</li> <li>(d) Define network address and network mask.</li> </ul>	V 10/2 × 10//3 2/25 27 37 47 67 67
Q.2 (a) Draw the DHCP packet format. With reference to this which fields	determine [10]
i) The no. of hops a packet can tarvel?	5
ii) The command is a request or reply?	
iii) Why there is a need of transaction Id apart from IP address and p	ort address?
iv) What is the maximum number of seconds that can be stored in th a DHCP packet?	Number of Seconds field of
v) Which field determine that the response from the server is unicast	or broadcast?
vi) If DHCP packet is request from client, which fields are used?	
vii) If DHCP packet is a reply message from server, which fields are	ised?
(b) Explain how voice is transmitted over packet switched network usi	ng H.323. [10]
Q.3(a) Explain the IP datagram header with suitable illustrations.	[10]
(b) Explain the various phases of congestion control in TCP with suitab How the window size is set in each phase.	e diagram. [10]
O.4 (a) Name the various components of Email system. List the function o Which protocol defines the MTA client and server in internet?	Tthem. [10] [10]
(b) Differntiate between TELNET and SSH.Explain the various compo	nents of SSH. [10]
Q.5 (a) What are various scheduling schemes to improve Qos? Explain an	y one in brief. [10]
(b)What are the limitations of File Transfer Protocol and how they are Transfer Protocol?	overcome in Trivial File [10]
Q.6 (a) What are the special addresses used in classful addressing. Explain (b) Explain the connection establishment & termination Process in TC	[10]

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