

Subject: Internet and Intranet (CT754)

Candidates are required to give their answers in their own words as far as practicable.
Attempt **All** questions.

The figures in the margin indicate Full Marks.

Assume suitable data if **necessary**.-

1. what is the application of TCP/IP? compare IPv4 and Ipv6 on the basis of routing. [4+4]
2. Define client/server architecture with its benefits and drawbacks. Discuss the FTP client/server operation with its types. 14+61
3. what are the guidelines to design proper network system? You are asked to design a Network system for the organization which has 2 different buildings at less than 500 meter distance. The main building is 5 third floor. There are 3 computer laboratories at each lab. You need to provide computers for staffs. Connect two buildings with multiple numbers of Wireless Ap and/or Prepare the required technical documents [2+10]
4. How are the ISPs interconnected? Explain distinguishing features of tier-1, tier 2 and tier 3 ISPs. 14+61
5. Explain different types of virtual hosting with an example. write down the major steps while configuring named based virtual hosting. [4+6]
6. Describe how content distribution network reduces the delay in receiving a requested object. Will content distribution reduce the delay for all objects requested by a user? Explain your answer with appropriate figure. 18+21
7. What is VOIP and IP Interconnection? Discuss basic operation of VOIP. 10
8. Write short notes on: (any three) [3x4]
 - a) Content Filtering
 - b) AJAX
 - c) HTTP
 - d) Cookies

