CS-68

BACHELOR OF COMPUTER APPLICATIONS (PRE - REVISED)

Term-End Examination

December, 2012

CS-68 : COMPUTER NETWORKS

07541

Time : 2 hours *Maximum Marks : 60*

Note : *Question No 1. is compulsory. Attempt any three from the rest.*

1. (a) Explain the reasons for moving from stop and wait ARQ Protocol to go back N ARQ - Protocol. **5**

    (b) List and explain any five examples of WAN applications. **5**

    (c) Explain the working of Routing Information Protocol (RIP). Also, explain any two problems that occur with RIP **10**

    (d) Explain the differences between virtual circuit and Datagram subnet. **6**

    (e) Draw an ATM network structure and differentiate between different kinds of interfaces supported by ATM switches. **4**

2. (a) Define the term "Frame relay". Also, discuss VDP header format. **5**

    (b) Explain the three differences between CSMA/ CD and token ring protocol. **5**

3. (a) Explain the format of TCP header. 7
   (b) Differentiate between Time division 3
       Multiplexing and Frequency Division
       Multiplexing.

4. (a) Explain Ethernet Protocol. 3
   (b) Illustrate and explain the operation of 7
       network file system.

5. (a) What are B, D and H channels? What are 5
       their capacities ?
   (b) Differentiate between hub and Switch. 5

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