BACHELOR IN COMPUTER APPLICATIONS

Term-End Examination

June, 2008

CS-68 : COMPUTER NETWORKS

Time : 3 hours   Maximum Marks : 75

Note : Question number 1 is **compulsory**. Answer any **three** questions from the rest.

1. (a) Define the term "Network". Explain three different types of networks.   10

   (b) Explain Spanning tree bridges and Source routing bridges.   10

   (c) Explain the guided and unguided transmission media.   10

2. (a) What is a Modem ? List the five standards defined for modem communication. Also, explain the two states of Modem.   10

   (b) Distinguish between analog and digital signal transmission.   5

3. (a) Explain virtual circuit and datagram subnets.   10

   (b) Distinguish between baseband and broadband communication.   5

4. (a) Explain the two types of ISDN services, in detail.   10

   (b) Explain the format of a TCP header.   5

5. (a) Explain the function of Transport layer and the transport control mechanism. 10

   (b) Write a short note on the compatibility of ATM as technology. 5