

**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