

**BACHELOR IN COMPUTER
APPLICATIONS****Term-End Examination****June, 2008****CS-68 (S) : COMPUTER NETWORKS***Time : 3 hours**Maximum Marks : 75*

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

-
-
1. (a) Explain, in detail, the OSI reference model. How is it different from TCP/IP model ? Also list important transport layer and network layer protocols in TCP/IP model. 14
- (b) Explain the following : 6
- (i) Repeaters
 - (ii) Bridges
 - (iii) Switches
 - (iv) Hubs
- (c) Explain any two transmission media. 10

2. (a) Explain any two Routing protocols. 9
- (b) Explain any three differences between Contention based Media Access protocols and Polling based MAC protocols. 6
3. (a) Explain any five applications of ISDN. 5
- (b) Explain any two retransmission strategies, used in the data link layer. 10
4. (a) Describe the operation of virtual circuit and datagram subnets. 10
- (b) What are the reasons for congestion ? How can it be controlled ? 5
5. (a) Explain the ATM layered architecture. 10
- (b) Explain the time division multiplexing technique. 5