

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & Onwards) (Sem.-6)

COMPUTER NETWORKS

Subject Code : BSBC-603

Paper ID : [A2379]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION-A

1) Write briefly :

- a) Star Topology
- b) Ethernet
- c) Packet Switching
- d) 802.5 Token Ring
- e) TDM
- f) Wired Transmission
- g) TCP/IP
- h) Multiplexing & Demultiplexing
- i) Asynchronous Transmission
- j) Full Duplex

SECTION-B

- 2)
 - a) What are the differences between LAN,WAN,MAN?
 - b) Discuss the various characteristics of optical fiber as transmission media.
- 3) How Data Communication is done in OSI Reference model? Discuss the activity carried at each layer.
- 4) Discuss the various error detection & correction codes in brief.
- 5) Why Congestion occurs in networks? What are the various techniques of congestion Control?
- 6)
 - a) Explain the concept of internetworking.
 - b) Discuss Data Link Layer protocols.
- 7)
 - a) What is circuit switching?
 - b) Discuss the concept of multiplexing.