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.