

August - 2012**Bachelor of Computer Application (BCA) Examination
IV Semester****Data and Network Communication**

Time : 3 Hours]

[Max. Marks : 40

Note: Attempt any two parts from each question. All questions are compulsory.

1. (a) Explain the following terms in brief :
 - (i) Data Communication System.
 - (ii) Network Topologies.
 - (iii) Encoded Data Format.
 - (iv) Internet.(b) Explain the telephone systems with example.
(c) Find the hamming code for the data 11110101. How this method corrects the error?
2. (a) Explain the important characteristics of Coaxial Cable Wires.
(b) Explain SNA Operating System.
(c) Explain Data Switching Method.
3. (a) Define RS449 interface standards.
(b) Explain Multiplexing Methods.
(c) Explain Sampling Theorem.
4. (a) Explain the working of Ethernet Protocol.
(b) Explain the Token Ring Network Concept with example.
(c) Explain the importance of network architecture protocols in today's scenario.
5. (a) What is ATM ? Why does ATM use small, fixed-length cells?
(b) Explain TCP / IP Model.
(c) Define Routing Protocols.

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