

July - 2013**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 Data Communication Link.
(b) What are the difference between Synchronous and Asynchronous Data Transmission
(c) Explain the parity error detection and correction method with example.
2. (a) What is Data Topologies? Explain various types of Data Topologies.
(b) Explain various types of Data Switching.
(c) Explain Open System Interconnection (OSI) Model.
3. (a) Explain RS422 and RS423 interfaces.
(b) Explain different types of Multiplexing Method.
(c) Write short note en Digital T Carrier.
4. (a) Explain the character and bit oriented protocol.
(b) Explain the network architecture protocol.
(c) Explain the working of token ring.
5. (a) What are the purposes of the B and D ISDN Channels.
(b) Write note on Digital Subscriber Line (DSL).
(c) Write the applications of Asynchronous Transfer Mode (ATM).

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