

Paper code: 13518

1518

B.Sc. (Computer Science) (Part 2)

Examination, 2015

Paper No. 3.3

DATA COMMUNICATION

Time: Three Hours] [Maximum Marks: 34

Note: Attempt any five questions in all. Question No. 1 is compulsory.

1. (a) What is meant by simplex, half duplex and full duplex communication system? Give representative examples of each.
(b) What are the causes and effects of congestion?
2. What do you understand by guided media? Also discuss its different types.
3. (a) What do you understand by LAN, WAN and MAN? Explain with suitable example.
(b) How does the flow control works in data link layer?
4. (a) Compare Analog and Digital data transmission.
(b) Compare asynchronous and synchronous way of transmission.
5. (a) Describe in detail about the wireless transmission.
(b) Describe about frequency division multiplexing.
6. What is circuit switching? Discuss how packet switching is better than circuit switching for computer to computer communication. <http://www.mjpruonline.com>
7. Write short notes on any three of the following:
 1. Error detection
 2. X.25
 3. Bus topology

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