Paper code: 13518

1518

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

Examination, 2019

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) How many type of Data Communication Networking are there ? Explain in detail any one.3

    (b) Differentiate between Analog and Digital Data transmission.3

2. (a) Describe the guided transmission media and its type.4

    (b) How many type of data encoding are there ? Explain any one with an example.3

3. (a) Describe the transmission impairments.4

    (b) Differentiate between unipolar and Bi-Polar Encoding, with example.3

4. (a) What do you mean by Line Configuration. Explain it in detail.4

    (b) Describe the Asynchronous data transmission with an example.3

5. (a) How many types of data flow control are ? Explain there any one with an example.4

    (b) Differentiate between data error detection and data error control method.3

6. (a) Describe the format of High level data link control.4 http://www.mjpruonline.com

    (b) Differentiate between frequency division multiplexing and time division multiplexing.3

7. Write short notes on any two of the following:$3\frac{1}{2}$ each

    (a) Control Signaling

    (b) Routing

    (c) Congestion Control

……..End……..