Sub-Computer Network   11/10/19.

Class-Sy(BSc).IT

(2½ Hours)

[Total Marks: 75]

N. B.: (1) All questions are compulsory.

(2) Make suitable assumptions wherever necessary and state the assumptions made.

(3) Answers to the same question must be written together.

(4) Numbers to the right indicate marks.

(5) Draw neat labeled diagrams wherever necessary.

(6) Use of Non-programmable calculators is allowed.

1. Attempt any three of the following: 15

1. OSI model

2. Explain Topology

3. Explain data representation and data flow technique.

4. Transmission modes (Parallel and Serial)

5. Analog to analog conversion

6. Digital to analog conversion

2. Attempt any three of the following: 15

1. Write and explain CRC with eg

2. Explain multiplexing and de multiplexing

3. Explain time division multiplexing and its types

4. Explain transmission medium in computer network

5. Explain modes of transmission of data(multi and single)

6. Comparison between wire and wireless media

3. Attempt any three of the following: 15

1. Explain packet switching
2. What is media access control in CN
3. What is channelization
4. Explain wired lan's
5. Explain thick or thin network
6. Explain characteristic of wireless lan

4. Attempt any three of the following: 15

1. State and explain network layer and its services
2. Explain IPV4 Datagram
3. ICMP message
4. Explain mobile ip
5. Explain RIP
6. Explain ospf

5. Attempt any three of the following: 15

1.   Explain tcp services
2.   Explain IPV6 Protocol
3.   Explain 3 way hand shaking for its tcp connection
4.   Write a short note on WWW and URL
5.   Explain File Transfer Protocol
6.   Write a note on HTTP

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