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Code No: 155AU

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, February - 2022

DATA COMMUNICATION AND COMPUTER NETWORKS
(Information Technology)

Time: 3 hours

Max. Marks: 75

Answer any five questions

All questions carry equal marks

1.a) What is Multiplexing? Write about FDMA, TDMA?

b) Define the network topology? List various types of Topologies.

[10+5]

2. Describe the various Transmission modes with examples.

[15]

3.a) What is the functionality of Data link layer in ISO- OSI model?

b) Write about the Error detection techniques Parity bit and LRC.

[7+3]

4.a) What is Flow control? Write about Stop and wait Protocol.

b) Explain about PPP.

[8+7]

5.a) What are the types of class full addressing?

b) Write about IPV4.

[8+7]

6. Discuss with Uni-Cast Routing Protocols.

[15]

7.a) Differences between TCP and UDP Protocols.

b) What is mean by congestion control? Compare Open loop congestion control and Closed loop congestion control?

[7+8]

8.a) Discuss with simple mail transfer protocol.

b) Explain about WWW.

[8+7]

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