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BT–6/M12

COMPUTER COMMUNICATION NETWORKS

Paper–ECE-310-E

Time allowed : 3 hours]   *[Maximum marks :100*

Note :   *Attempt any **five** questions by selecting at least **one** question from each unit.*

Unit–1

1.   (a)   Explain 802.11 standard for Wireless LANs with neat diagrams.   15

     (b)   What is Frame Relay ? Explain.   5

2.   (a)   Describe the working of ATM networks with its reference model.   15

     (b)   Differentiate circuit switching and packet switching.   5

Unit–2

3.   (a)   What is error control and flow control ? Discuss in detail.   10

     (b)   Explain the working of Go-back N protocol with neat diagram.   10

4.   (a)   Differentiate between static and dynamic channel allocation.   5

     (b)   Describe CSMA. Why do CSMA fail in the case of wireless networks.   10+5

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Unit–3

5. (a) Compare the datagram and virtual-circuit subnets. 10

   (b) Explain Count-to-Infinity problem. 10

6. (a) Explain the working of leaky bucket algorithm with neat diagram. 10

   (b) Draw neat diagram for TCP segment header.

   10

Unit–4

7. (a) Explain MIME. 10

   (b) What is a name server ? Explain with an example.

   10

8. Explain the working of DES algorithm. 20

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