Roll No. ....
Printed Pages : 2

1205

BCA / D-19
COMPUTER NETWORKS
Paper–BCA-354

Time allowed : 3 hours]   *[Maximum marks : 80*

Note : Attempt five questions in all, selecting at least one question from each unit. Question No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) What do you mean by Gateways ?
    (b) Define PC Cards.
    (c) What do you mean by Baud Rate ?
    (d) Write short note on Switching.
    (e) What is ALOHA ?
    (f) What do you mean by Token BUS ?
    (g) What is Digital Certificate ?
    (h) What do you mean by flooding ?   8×2=16

Unit–I

2. (a) Explain Networking Models.   8
    (b) What are various Network Design Issues.   8

3. Explain the following :   16

    (a) Repeaters

    (b) Connectors

    (c) Bridges

    (d) Routers

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Unit–II

4. What are various Multiplexing Techniques ? Explain.   16

5. Explain various available wireless Transmission Media.   16

Unit–III

6. What do you mean by Networking Protocols ? Explain sliding window protocols.   16

7. (a) What is CSMA ? Discuss.   8

    (b) What are collission Free Protocols, Explain ?   8

Unit–IV

8. Explain link State Routing and Hierarchical Routing.   16

9. How security is performed in Networks ? Explain various types of existing security attacks and their remedies in networks.   16