

March 15

B.C.A Semester – IV examination

Duration: 2 hour 30 min

Paper: 406 – Data Communication and networking

Mark: 70

Question – 1: Attempt the following

1. Explain analog and digital communication technique, and differentiate them. [7]
2. Define data base. How DBMS differs from RDBMS. [7]

OR

Question – 1: Attempt the following

1. Write a note on twisted pair with its types. [7]
2. Explain Microwave communication. [7]

Question – 2: Attempt the following

1. Write a note on FDDI. [7]
2. Explain light detector. [7]

OR

Question – 2: Attempt the following.

1. What is fiber optic? Explain the propagation in the fiber optic. [7]
2. Explain Satellite communication. [7]

Question – 3: Attempt the following

1. Explain PABX. [7]
2. Write a detail note on ISDN. [7]

OR

Question – 3: Attempt the following

1. Explain Facsimile(Fax). [7]
2. Explain Circuit switching in detail. [7]

Question – 4: Do as directed

1. How OSI model works? [7]
2. Explain Token ring topology. [7]

OR

Question – 4: Do as directed

1. Differentiate LAN, MAN, WAN. [7]
2. Explain Star topology with advantages and limitations. [7]

Question – 5: Attempt the following

1. Write a detail note on X.25. [7]
2. Explain TCP/IP in detail. [7]

OR

Question – 5: Attempt the following

1. Explain the following terms Bridge, Router, BRouter, and Gateways. [7]
2. Write a note on fire-wall. [7]