



ADITYA DEGREE COLLEGES

ANDHRA PRADESH
IV SEMESTER - MID-I EXAMINATIONS 2025

Subject: B.Sc. CS Major - Data Communication & Computer Networks

DATE: 07.02.2025

TIME: 3 HRS

MAX MKS: 60 M

Answer Any Five from the following questions

5 x 4=20M

1. Explain Network hardware & type
2. Write difference between TCP/IP & OSI?
3. What are the public switched telephone networks?
4. Brief about Unguided media.
5. Write about wireless LAN & Broadband
6. Explain data link layer on the internet?
7. Explain mobile telephone System?
8. Write about Network applications with examples?

Answer All questions from the following

4 x 10 =40M

9. a) Brief about OSI reference Model?

(OR)

- b) What is Guided media and its type?

- 10.a) Explain about connection oriented network[x.25, frame relay]?

(OR)

- b) Write about Ethernet and its implementations?

11. a) Explain error detection in detail with examples?

(OR)

- b) Brief about elementary data link protocols for noisy channel?

12. a) Brief about design issues?

(OR)

- b) Explain about Bluetooth and its frame format?