



KAKINADA SRI ADITYA DEGREE COLLEGE

(AFFILIATED TO DR.B.R.AMBEDKAR UNIVERSITY)

B.SC(CS) IV- SEMESTER,-MID-1 EXAMINATIONS FEB -2025

DATE: 12.02.2025

Time: 3 Hrs

SUBJECT: DATA COMMUNICATION& COMPUTER NETWORKS

Max Marks:50M

I. Answer all of the following:

3 X 10 M= 30M

1.a) Explain about OSI Reference Model?

(or)

b) Explain about TCP/IP Model?

2.a) Explain about Hamming code in detail?

(or)

b) Explain about Stop and Wait ARQ?

3.a) Explain about Congestion Control in TCP?

(or)

b) Explain about Dijkstra's algorithm (or) Shortest Path Algorithm?

II. Answer FOUR of the following:

4 X 5 M= 20M

4. Explain about Co-axial Cable?

5. Explain about CSMA/CD?

6. Explain about Distance Vector routing algorithm?

7. Explain about Frame Relay?

8. Explain about ALOHA (Pure,Slotted)?

9. Explain about Cyclic Redundancy Check(CRC)?