

III B. Tech II Semester Supplementary Examinations, December -2023**COMPUTER NETWORKS**

(Com. To CE, EEE, ME, ECE)

Time: 3 hours

Max. Marks: 70

Answer any **FIVE** Questions **ONE** Question from **Each unit**

All Questions Carry Equal Marks

UNIT-I

1. a) Write about LAN, MAN, and WAN networks? [7M]
b) Explain in detail about OSI Reference model? [7M]
(OR)
2. a) Write about twisted pair cable in guided media. [7M]
b) Explain in detail about TCP/IP reference model. [7M]

UNIT-II

3. a) Discuss about error detecting codes. [7M]
b) Write about simplex protocol. [7M]
(OR)
4. a) Discuss about error correcting codes. [7M]
b) Write about Simplex stop and wait protocol for a noisy channel. [7M]

UNIT-III

5. a) Discuss about ALOHA. [7M]
b) Explain about time division multiple access (TDMA). [7M]
(OR)
6. a) Write about collision free protocols. [7M]
b) Explain about Code division multiple access (CDMA). [7M]

UNIT-IV

7. a) Write about distance vector routing algorithm. [7M]
b) What is store-and-forward packet switching? [7M]
(OR)
8. a) Explain about implementation of connection-oriented services. [7M]
b) Write about Traffic aware routing in congestion control. [7M]

UNIT-V

9. a) Discuss about User Datagram Protocol. [7M]
b) What is congestion control in TCP? [7M]
(OR)
10. a) Write about UDP services. [7M]
b) Discuss about Local versus remote logging. [7M]