P8558

Oct-22/TE/Insem-528
T.E. (Computer Engineering)
COMPUTER NETWORKS AND SECURITY
(2019 Pattern)(Semester-I) (310244)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

1) *Neat Diagram must be drawn wherever necessary.*
2) *Figures to the right indicates full marks.*
3) *Assume Suitable data if necessary.*
4) *Answer Q1 or Q2, Q3 or Q4.*

Q1) a) Explain LAN, MAN, WAN. **[6]**

b) What are design issues of layers? Explain it. **[5]**

c) Explain **[4]**

     i) Router

     ii) Switch

OR

Q2) a) Explain Client Server and Peer to Peer Network. **[6]**

b) Draw Manchester and differential Manchester code for the bit sequence: 0100110 **[5]**

c) Explain Star and Bus topologies. **[4]**

Q3) a) Give brief about design issues in DLL. **[6]**

b) Differentiate between Pure and Slotted ALOHA **[5]**

c) Explain PPP. **[4]**

OR

Q4) a) Sender Sends code 1001101 justify receiver using Hamming code. **[6]**

b) Explain IEEE 802.3 frame format. **[5]**

c) Explain Stop and Wait Protocol. **[4]**

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