Sem-5th Data communication & computer network 1. Answer the following :-2×10=20 (a) What do you mean by modes of data transmission ? (b) What is LAN ? C How many bits are used in IPV4&IPV6 address? @ Name the different types of topology with examples? @ Define fouting? D What do you mean by Ethernet B Give some examples of Data Communication. We what are the types of networks? (i) What is Hub? (i) What do you mean by Priotocol ? 2. Any 6 questions to be answered :-6×5=30 (a) Define Switch and also mention the E Differentiate between LAN, MAN & WAN? O what is transmission media and its types ? @ write short note on CSMA/CD ? Describe briefly about Piconet? Duhat doyou mean by corcuit switching? ( Differentiate between Digital & Analog signal? (h) Describe Mesh topology with a neat diagram? Answer any 2 questions [2×10=20] 3 Describe the TCP/IP model with a neat diagram 2) Briefly explain the LAN Priotocol architecture? 5) Describe the OSI model? 6) Explain the principles of internetworking? Prepared By : Ms. Sangeeta Pan

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DKANCH-CSE SEM-5th Data communication & computer network 1) Answer the following questions :-2×10=207 what is data communication? Define conjection? what do you mean by Medium Access Control? What are the types of networks? ÍV. Define Topology yehat is Etherhet? Vì Vi Define Protocol? what is LAN? Jii) De what do you mean by modes of data transmission? 6x5=307 2) Any 6 questions to be answered :-DExplain different types of algorithm use for congection control? (ii) Describe briefly about Piconet? (ii) Discuss CSMA /CD Ethernet technique? What do you mean by data traffic? Define Switch & also Imention the use of it? What is network ? Explain briefly vi what is transmission media & its types? Differentiate between Analog & Digital signal? (Ni) Answer any 2 questions [2×10=20] Define the layering concept in the OSI model of (3') network architecture? H.) What is TCP/IP architecture? 3) What is multiplexing? Explain 3 multiplexing techiques in details? 6 What is switching & explain its types?

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BRANCH -CSE SEM-5th ata communication & computer network Answer the following :-[2x10=207 What is topology? What is MAN Name the two protocols of application layer? What is mean by modes of data transmission? How many bits are used in IPV4 & IPV6? Define Protocol? What is internet? Vii Define conjection? uchat is bit rate? What do you mean by Digital signal?  $(\mathfrak{K})$ ) Any 6 questions to be answered :- [6x5=30] Define network and its types? What is transmission media & its types? Describe Mesh topology with a neat diagram? Describe Mesh topology with a neat diagram? Describe briefly about Piconet? Write notes on CSMA/CD? Wir what do you mean by data traffic? (Viii) Define the principles of internetworking? Answer any 2 questions :-12×10=201 3.) Beiefly explain the LAN Protocol architecture? (1) Describe the TCP/IP model with a neat diagram? 5.) Explain the OSI, model? 6 what is multiplexing? Explain 3 multiplexing techniques in details?

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CHANCH - CLE Charles Martin SEM - Sth Data communication & computer network [2×10=20] Answer She following :-Seline Firewalls? - What is Bus stopology? what is Modern? rechat is an IP? what is Bluetooth technology? What do you mean by client-server network? Desine Router? aiscuss cSMA/CD ethernet technique? uchat is SMTP? what is congestion control? 6×5=30] Attempt any sixquestions:-「モシア・アとう Explain the difference between IPVH and IPV6? Griefly describe the circuit switching? Define various network connecting devices? Défine IP and its types and also classes? What is Physical topology? Explain different topologies. Explain Hub and its types? 3 Explain different network connectivity devices. Escribe the data link layer and transport layer of OSI model ? Attempt any two questions? [2×10=20] (3) Explain the difference between TCP/IP and OSI model with neat diagram? (4) Write short notes on @ Firewall & SMTP @ URL WPAN @ Piconet (5) Briefly explain the LAN Protocol Architecture? C Mehat is multiplexing? Explain 3 multiplexing Lechniques in details?

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