Important Question's

BLOCK 1

Ques. 1 Compare analog and digital communication systems ?
Give an example of each ?

Ques. 2 Difference between Synchronous and Asynchronous Transmission ?

Ques. 3 What is frequency modulation?Give two advantages and disadvantages?

Ques. 4 What is a problem with PSK? Explain what are 4-QPSK and 8 QPSK ?

Ques. 5 Discuss the advantage of packet switching over circuit switching ?

Ques. 6 Write a short note on Fiber Optic Cables ?

Important Question's

BLOCK 2

Ques. 1 Explain any five network topologies ?

Ques. 2 What is OSI Model? List all layers on its and write functions of each layer ?

Ques. 3 What is TCP/IP ?

Ques. 4 What is CRC? And Calculate ?

Ques. 5 What is the concept of the GO-Back-Sliding window protocol ?

Ques. 6 What is pure ALOHA and slotted ALOHA ?

Ques. 7 How do ARP and RARP work ?

Ques. 8 Explain the term NIC (Network interface card) ?

Important Question's

BLOCK 3

Ques. 1 What is the distance vector routing protocol? Explain with the diagram with the algorithm ?

Ques. 2 What is transparent fragmentation ?

Ques. 3 What are the categories of ICMP?

Ques. 4 What is IGMP? Draw the header field of IGMP ?

Ques. 5 Explain the working of 3-way handshake used in TCP/IP, using a suitable diagram ?

Ques. 6 Explain the steps of Silly Window Syndrome with a diagram ?

Important Question's

BLOCK 4

Ques. 1 What is the Frame relay? Explain the architecture of the Frame relay with the help of a diagram ?

Ques. 2 What is the ATM cell ?

Ques. 3 What are ip4 and ip6 ?

Ques. 4 What is the CSMA/CD?

Ques. 5 What is Block Cipher? State its advantages and disadvantages ?

Ques. 6 Assume two prime no p and q are 3 and 5 respectively. Calculate the private key and PUBLIC KEY using the RSA algorithm ?

Some important topics

1. **What is encryption and decryption**

2. **What is subnetting ? what is a subnetwork address ?**

3. **What is the count-To-infinity problem ?**

ASK

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