

CS610_ 29/5/2016_9:00am

Total questions 26

20 MCQs and 6 sub. Questions

MCQS 50% from past papers

Subjective part is as under;

- In which part of a frame the destination and source addresses are located? (2 Marks)
- ATM network specifies a 24 bits VPI/VCI connection identifier. How many bits VPI and VCI occupies individually? (2 Marks)
- Why repeaters are not used for extension with large networks? Give at least two reasons. (3 Marks)
- Suppose in a university campus, bridges are used in its local area network. Explain all steps, how bridge builds up address list table of all attached computers? (3 Marks)
- Suppose you want to add large amount of systems in your WAN to increase its capacity. Which type of switching devices will be used? Also write the names of these switching devices along with difference between them. (5 Marks)
- Repeaters are used to extend a LAN. Suppose we have unlimited number of repeaters. Can we extend a LAN that spans the whole world using repeaters? Give at least three reasons to support your answer. (5 Marks)

1. WAN ki capacity ko kesi increase kr skty hn? 5marks

2. LAN ko extend krnay k lia repeaters use hoty hn tou ap btaen k repeaters ki wajah se koi problem tou ni hoti LAN ma. Give three reasons to support ur answer.

3. Virtual Channel used in ATM ki two types btaen. Write their full names.

4. Which of the following are ethernet fields: CRC, Flag, Frame Type, Preamble, 2 or b the name yaad ni

5. A cycle of bridge ki problem likhi hu v thi. Btana tha k kon sa algorithm is problem ko solve kray ga? Page no 53 pr iska answer ha "Distributed Spanning Tree (DST)"

mcq's mostly moaaz ki file se

6. Which technology is used to copy frame data directly from main memory?

Ans: DMA technology is used to copy frame data directly from main memory.

•

Q:1 Lahore sy Londn k office tk ak vedio share krni h to hm network ke kon c type use kry gy? LAN, WAN ya MAN(2marks)

Q:2 In which part of a frame the destination and source addresses are located? (2 Marks) Q:3 Identify the Ethernet frame field:(3 Marks) (i)CRC (ii)Fragment offset (iii)Frame Type (iv)Flags (v)Preambles

Q:4 Which two identifiers in ATM are used to make virtual circuit?(3 Marks)

Q:5 Repeaters are used to extend a LAN. Suppose we have unlimited number of repeaters. Can we extend a LAN that spans the whole world using repeaters? Give at least three reasons to support your answer. (5 Marks)

Q:6 Star textile has multiple LAN's with packet switches. It is required that if any link goes down/break the entire network traffic should arrive to respective destination smoothly. Which algorithm will be used to meet this requirement? Give at least two reasons to support your answer.(5 Marks)

CS610_ Current_Paper

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Suppose in a university campus, bridges are used in its local area network. Explain all steps, how bridge builds up address

list table of all attached computers? (3 Marks)

Suppose you want to add large amount of systems in your WAN to increase its capacity. Which type of switching devices will be used? Also write the names of these switching devices along with difference between them. (5 Marks)

Repeaters are used to extend a LAN. Suppose we have unlimited number of repeaters. Can we extend a LAN that spans the whole world using repeaters? Give at least three reasons to support your answer. (5 Marks)

my paper on 05-06-2016

In which part of a frame the destination and source addresses are located? (2)

two types of switching devices that increase the capacity of WAN, write name and differences b/w them? (5)

network performance k lye konsa system used hota ha name btye.....(5)

All mcqs were from past papers.

total 23 questions.

2 were of 5 marks

2 were of 3

and i think 3 were of 2 marks!

Today's paper was very easy.

you are a network administrator of a company which have 120 computers so which WAN technology do u want to implement in your organization.(5)

Ethernet(3)

Identifier of Virtual channel(3)

one was about physical addressing in switches.how can explain this address(1,5)

so best of luck!

Mid Term Fall 2011 03-12-2011

1. Where are destination and source address located in frame? (02 marks)

2. If 100Mbps Ethernet NIC is connected to a hub which supports 10Mbps, what will be the data rate in this scenario? (02 marks)

3. In connection oriented network, which type of connection identifier is used? Support your answer with example. (02 marks)

4. Imagine a network of 6 devices A, B, C, D, E and F. All devices are on same packet switch. If computer A wants to send packet to computer E, How would packet switch forward this packet? (03 marks)

5. Network administrator needs audio and video service for his network. He has to send or receive data at same data rate. Which type of ATM quality service specification would be applied there? Give example? (03 marks)

6. We have two satellite locations, at first location one bridge is configured and at second location 2 bridges are configured. Which location performed will be faster? Give reason. (05 marks)

7. There are two sites office A & B, both are using VPN. If a user of another network wants to send some packet to A, then what will be the behaviour of network A? How data is protected in VPN environment? (05 marks)

my today paper

8 subjective questions

1 ptcl provide connection oriented service? if yes then prove with examples 5 mrks

2 WAN routing

3 network using four bridges how to manage broadcasting problem.

4 Thick net

baqi yad nei hain

16 mcqs

total 23 questions.
2 were of 5 marks
2 were of 3 marks
3 were of 2 marks...

LONG QUESTIONS...

Q1. physical addressing in WAN. how can you explain this address(1,5) in WAN.

Q2. if you want to add more systems in WAN to extend WAN, which technique you will use..discuss these technique.

SHORT.....

Packet forwarding in the given scenario.

how to build a tunnel in VPN.

default route importance.

etc...erc

Current Paper of cs610 networking

16 MCQs mostly from past papers

3 questions of 2 marks

2 question of 3 marks

2 question of 5 marks

- 1. We have two satellite locations. At first location one bridge is configured and at 2nd location two bridges are configured. Which location's performance will be faster. Give reasons to support your answer. 5 marks**
- 2. Star Textile has huge network of systems and switches. A task is given to IT Officer that if some link goes the entire network works smoothly. Which routing method will be use. 5 marks**
- 3. Six devices are connected in network A,B,C,D,E and F. All devices are on same packet switch. Computer A wants to send packet to E. How will packet switch forwards the packet? 3 marks**
- 4. Network administrator wants to build a tunnel between sites offices. How will he build using private virtual network? 3 marks**
- 5. Who examine performance of network? 2 marks**
- 6. How can we compute shortest path in WAN? 2 marks**
- 7. 100mbps Ethernet NIC is connected to control Hub which supports 10mbps. What will be Data Rate in this scenario ? 2 marks**

Question No: 10 (Marks: 1) - Please choose one

Formally named _____ informally known as the twisted pair Ethernet or TP Ethernet.

- ▶ 10 Base 2
- ▶ 10 Base 5
- ▶ **10 Base T**
- ▶ None of the given

Question No: 14 (Marks: 1) - Please choose one

_____ is used for compressed audio and video where the data rate depends on the level of compression that can be achieved.

- ▶ Constant Bit Rate (CBR) service
- ▶ **Variable Bit Rate (VBR) service**
- ▶ Available Bit Rate (ABR) service
- ▶ None of the given

Question No: 3 (Marks: 1) - Please choose one

ATM assigns each VC a _____ identifier that is divided two parts to produce a hierarchy.

- 21-bit ▶
- 22-bit ▶
- 23-bit ▶
- 24-bit ▶

Question No: 6 (Marks: 1) - Please choose one

An interface for twisted pair Ethernet must have an _____ connector , and must generate signals according to the _____ specification.

- RJ-45, 10 Base T ▶
- RJ-45, 10 Base 5 ▶
- BNC, 10 Base 2 ▶
- BNC, 10 Base T ▶

Question No: 8 (Marks: 1) - Please choose one

A ----- provide a mechanism that a customer can use to set a physical address.

- Static addressing scheme ▶
- Configurable addressing scheme ▶
- Dynamic addressing scheme ▶
- None of the given ▶

Question No: 15 (Marks: 1) - Please choose one

In -----, network occupies the smaller area like a room a floor or a building

- ▶ LAN
- ▶ WAN
- ▶ MAN
- ▶ None of the given
 - Which network topology uses a Hub?
 - **Star**
 - Bus
 - Mesh
 - Ring

Which of the following is not a network adapter?

- 3 com LP III
- 3 com Etherlink III ISA
- 3 com Etherlink II Adapter

▪ **3 com 3C508 ISA 16 BIT**

Question No: 15 (Marks: 1

_____ is used for audio a rates

- ▶ Constant Bit Rate (CBR)
- ▶ Variable Bit Rate (VBR)
- ▶ Available Bit Rate (ABR)
- ▶ None of the given

Which is not transmission medium _____.

- ▶ Twisted Pair
- ▶ not given
- ▶ Radio Frequency
- ▶ Fiber

Q1= Network administrator wants to build an update routing which algorithm he use?

Q2=100mbps Ethernet NIC is connected to control Hub which supports 10mbps. What will be Data Rate in this scenario?

Q3=NIC 100mbps Ethernet NIC and other speed 10mbps. Are connected with each other What will be NIC Data Rate in this scenario?

Q4=two far away site offices want to connect which is better LAN and WAN?

and 2 I don't remember sorry

paper by Jawad

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BNC, 10 Base T ►

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paper by Jawad

mostly mcqs was from past papers

and the subjective question were:

1. is there any technology that use LAN and WAN both topologies. if yes then write its name

2. why packet switch check the header frame before forwarding the packet

3. why the designer of ATM technology select cells not packets?? give five reasons

4. if two far away situated offices are to connect with will be appropriate LAN extension or WAN. give four reasons to support ur answer

5. write three benefits of routing if source address is not included in the header

Today CS610 Paper Fall-2012 Session 9:00am

MCQz 90% past papers me se thay

Subjective Question ye han :

- How many methods are available to span a network over longer distances? Just write their names. (2 Marks)
- Which two identifier in ATM are used to make Virtual Circuit? (2 Marks)
- When a person makes call what steps are involved in it, write every step and determine how a connection established. (5 Marks)
- If a organization uses Repeaters in its network, when a frame comes from external network how it will read frame? Support your answer with a reason; also describe three drawbacks to organization. (5 Marks)
- Suppose an organization wants to build a lab of 8 computers in a single room with low budget. Which Ethernet cable scheme will be used among thick and thin Ethernet? Give Two Reasons. (3 Marks)
- Suppose you are a Network Engineer in ISP, providing different technologies services like one of these may be cell based network, as Network Engineer you must know that which term is used to refer "information" related to the network but not refers to the "information" that only uses the network, give name of this term and reserved values. (3 Marks)

bjectives are easy today and subjective are

. There are two sites office A & B, both are using VPN. If a user of another network wants to send some packet to A, then what will be the behaviour of network A? How data is protected in VPN environment? (05 marks)

. 100mbps Ethernet NIC is connected to control Hub which supports 10mbps. What will be Data Rate in this scenario ? 2 marks

. what type of switching technique is used in WAN?

. write the names of identifiers used in ATM. (2)

. What type of topology used in ethernet. (2).

one question i have forgotten.

Q1. Salution of problem in cycle in bridges ?(marks 3)

Q2. What is technology which used LAN & WAN both . Write the name .(Marks 2)

Q3. A conceptual question about Virtual private Network.(marks 3)

Q4. Describe the procedures in steps of Telephone calling , A connection oriented service (Marks5)

Q5. What is the source independant technology.(marks 5)

1. Describe two major components of thick Ethernet. (2)

2. Suppose in a computer network of a chemical company, each packet is transferred with equal amount of time between systems. Consider this scenario what will be the jitter? (2)

3. Suppose in university campus, bridges are used in its local area network. Explain all steps, how bridge build up address list table of all attached computers. (3)

4. Suppose an organization wants voice communication in a network by using ATM technology. Explain how ATM eliminates the varying delays associated with variable size data packets.

5. While designing the ATM technology why designer of ATM chosen cells over packets which being used widely? Give five reasons to support your answers. (5)

6. Suppose star organization using repeater in its network. If frames comes from another network then will the repeater be capable of distinguish between frames from two different networks? Support your answer with a reason also writes down three drawbacks, this organization may face due to use of repeater. (5)

my toDay PapEr

All Mcqs from Moaz file and

----- has no way to determine the cause of the problem.

- ▶ ICMP
- ▶ Ping (Computer Networks and Internets, page 11)
- ▶ Trace route
- ▶ Non of the given

Question No: 2 (Marks: 1) - Please choose one

----- Program sends a message to a remote computer and reports whether the computer responds.

- _ Ping (P-11)
- _ Trace route
- _ ICMP
- _ Non of the given

Most LANs that employ ring topology use an access mechanism known as-----

- ▶ CSMA/CD
- ▶ CSMA/CA
- ▶ TOKEN PASSING (Computer Networks and Internets, page95)
- ▶ None of the given

Formally named _____ informally known as the twisted pair Ethernet or TP Ethernet.

- ▶ 10 Base 2
- ▶ 10 Base 5
- ▶ 10 Base T (Page 43)
- ▶ None of the given

An interface for twisted pair Ethernet must have an _____ connector , and must generate signals according to the _____ specification.

- ▶ RJ-45, 10 Base T (Computer Networks and Internets, page 126)
- ▶ RJ-45, 10 Base 5
- ▶ BNC, 10 Base 2
- ▶ BNC, 10 Base T

A Bridge can _____

- ▶ Filter a frame
- ▶ Forward a frame
- ▶ Extend a LAN
- ▶ Do all the above

ATM used in ----- and have

- ▶ WAN Connectionless service paradigm
- ▶ LAN Connection oriented service paradigm

- ▶ Both LAN and WAN Connection-oriented service paradigm
- ▶ Both LAN and WAN Connectionless service paradigm (Computer Networks and Internets, page112)

A network with throughput T and delay D has a total of _____ bit in transit at any time.

- ▶ T / D
- ▶ T x D (Computer Networks and Internets, page203)
- ▶ T + D
- ▶ None of the given

Local Talk is a LAN technology that employs -----

- ▶ Bus topology (Page 30)
- ▶ Ring topology
- ▶ Star topology
- ▶ None of the given

One repeater _____, two repeaters _____ the maximum cable length limitation.

- ▶ doubles, triple (Page 49)
- ▶ square roots, cube roots
- ▶ and, triple
- ▶ doubles, cancel

A network uses a ----- if all computers attach to a central point

- ▶ Star Topology (Page 25)
- ▶ Ring Topology
- ▶ Bus Topology
- ▶ None of the given

In -----, network occupies larger areas like cities & countries.

LAN ▶

WAN (Page 4) ▶

MAN ▶

None of the given ▶

ATM assigns each VC a _____ identifier that is divided two parts to produce a hierarchy.

- ▶ 21-bit ▶
- ▶ 22-bit ▶
- ▶ 23-bit ▶
- ▶ 24-bit (Page 67) ▶

Static addressing scheme ▶ A ----- provide a mechanism that a customer can use to set a physical address.

Configurable addressing scheme (Page 34) ▶

Dynamic addressing scheme ▶

None of the given ▶

Remaining 5 MCQ's r new

We say that Bridges is a intelligent deviceGive reasons

Write down the type of network performance?

What type of switching technique is used in WAN?

Suppose you are a Network Engineer in ISP, providing different technologies services like one of these may be cell based network, as Network Engineer you must know that which term is used to refer “information” related to the network but not refers to the “information” that only uses the network, give name of this term and reserved values. There are two sites office A & B, both are using VPN. If a user of another network wants to send some packet to A, then what will be the behavior of network A? How data is protected in VPN environment? Give 3 reasons(05 marks)

Suppose, There are two sites office A & B Far away from each other, Which technolgy is used,LAN or WAN, give 4 reasons?

Question: How WAN capable to handle many computers? Marks 2

Question: Briefly explains the working structure of thick Ethernet. Marks 2

Question: Imagines a network for six devices: A, B, C, D, E and F. all devices are on a same packet switch. Computer A want to send packet to computer E. how would packet switch forward this packet? Marks 3

Question: Does ATM eliminate the varying delay times associated with different sized packets?
If yes then give reason. Marks 2

Question: Why ATM design chose cells over packet? Marks 5

Question: Reception is a process of CPU; describe it in a few lines? Marks 5

Dear friends here is my current Midterm paper of CS610 held on 19 May 2011.

Objectives are given in the attached file whereas subjective questions are as under:-

What are the tasks of NIC? (Marks: 2)

Who performs the role to copy data from memory to NIC. Briefly describe the procedure? (Marks: 2)

Which quality of service type is used for is used for compressed audio and video. (Marks: 2)

A local telephone company wants to connect all of its offices in the city through LAN, which network category is suitable and why? (Marks: 3)

What is the relation between Delay and Throughput? (Marks: 3)

Differentiate between Public and Private Networks. (Marks: 5)

To build up a low-cost network solution which Ethernet is suitable and which cable is best, give reasons as well? (Marks: 5)

1) In any network technology ,delay basically depends on two factors . Write each factor? 2)

How can we say that the bridge is an intelligent device? 2)

Networks manager wants absolute privacy in his organisation's computer even using public network which technology will be used and how will assumes absolute privacy of packets? 3)

Describe the structure of physical addressing in WAN? If you have physical address (1,5) on a switch then how will you elaborate this address ? 3)

Roiling is the key feature of the networking because it can perform more complex analysis to determine the optimal path for the packet and eventually reach the target machine What is meant of source independence in routing and how it can be valuable for routing? 5)

Star Ecu tile has multiple LAN with packet switches ,It is critical that if same link goes down/breakup the entries network traffic should to

Paper#1

what is 10base T?

What is Multicasting?

What is FDDI?

Define 802.11 Wireless lans and CSMA?

Paper#2

Define Static & Dynamic Routing 2 Marks

Dijkart's Algorithm 2 Marks

write note on Bridges 5 Marks

Disadvantages of Repeaters 3 Marks

Different b/w Cells and Packets 5 Marks

CS610:

Long q's

5 marks: Suppose you want to add large amount of system in your WAN to increase its capacity which type of switching devices will be used there? Write name of each device with difference b/w them.

5 marks: Star textile has multiple LANs with packet switches. It is critical that if some link goes down/breakup the entire network traffic should arrive to respective destination smoothly. So, which method will meet this requirement? Give at least three reasons to support your answer

these are very much important q's kindly if anyone knows its proper ans then tell me

Today's my paper cs610

paper was easy

plz read the book carefully before attempting the paper.

All mcq'as from Moaz file. 20 mcq's and 6 subjective question.2 question of 2 marks, 2 are 3 marks and 2 are 5 marks.

Subjective paper:

(1) why we don't use repeaters to extend the LAN.

(2) suppose a company make virtul private network " NETWORK A". if a outside user want to send a packets to NETWORK A. what kind of action the NETWORK A takes.describe 2 reasons.

(3)Suppose a ABC company wants to make a network with limited area and that has low cast.what kind of wiring scheme you use. give two reasons.

(4) suppose a network has 4 bridge .and bridge network form a cycle.there is a problem in broadcast frames. what algorithm you use for this .

(5)a senerio is given and we describe what kind of delay has occured.and also calculate the effective.

last question yad nai a raha

In -----, network occupies larger areas like cities & countries.

LAN

WAN 04 page

MAN

CAN

. When an application----- data, it makes a copy of the data available to all other computers on the network.

Broadcasting

Multicasting 35

Unicasting

Anycasting

NICs contain analogue circuitry and _____ that allows the NIC to operate independent of the CPU.

DMA (Direct Memory Access)

Multiplexer

Transceiver

Microprocessor 40

. In which type of topology computers are connected to a central device?

Ring

Mesh

Bus

Star 05

. IEEE LLC/SNAP header is _____ which is used to specify the type of data.

8 octets

10 octets

12 bytes

16 bits

. A network which is based on packets uses a computer which may have _____, memory and _____ for switching.

Administration Rights, Algorithm

Source address, Destination address

. The next hop to which a packet is sent depends only on _____.

Packet's destination

Packet's original source

Path the packet has taken

Routed Protocol

. _____ have advantages arisen from the size and ease of computation.

CRC

Parity

Checksums

VRC

NICs contain analogue circuitry and _____ that allows the NIC to operate independent of the CPU.

DMA(Direct Memory Access)

Multiplexer

Transceiver

Microprocessor

A bridge uses the _____ to determine which computers connect to which segment and uses the _____ to determine whether to forward a copy of frame.

Destination address, Source address

Destination address, MAC Address

Destination address, Destination address

Source address, Destination address

. _____ senses a signal on a cable and then transmits an amplified copy of the signal.

Bridge

Hub

Transceiver

Repeater

Formally named _____ informally known as the twisted pair Ethernet or TP Ethernet.

10 Base 2

10 Base 5

10 Base T

100 Base T

If the sending computer crashes before transmitting a complete frame, the _____ will not arrive and the receiver will know that the frame is _____.

- soh, complete
- soh, incomplete
- eot, incomplete

Most LANs that employ ring topology use an access mechanism known as _____.

- CSMA/CD
- CSMA/CA
- Token Passing
- Aloha

. Local Talk is a LAN technology that employs _____.

- Bus topology
- Ring topology
- Mesh topology
- Star topology

Most WAN systems include a mechanism that can be used to eliminate the common case of duplication routing is called _____.

- Dynamic route
- Hierarchical address
- Default route
- Shortest path

Suppose being an IT engineer in XYZ organization, you are given a task to avoid from duplication routes in routing 2

Suppose an organization wants voice communication in network by using ATM technology. Explain, how ATM eliminate the varying delays associated with variable size data packets? 03

A Connection-oriented service requires a session be established before start communication. When telephone call is made between two persons then which steps are involved to establish a connection? Write each step and tell how established connection is identified.05

Today my CS610 paper
MCQS also from pat papers .

ATM Network specifies a 24 bits VPI/VCI connection Identifier. How many bits VPI and VCI occupies individually.(2)

Which type of quality service specifies of ATM would be applied in each of the following?(3)

(a) When network engineer want to use ATM for compressed audio and video.....

(b) Network administrator needs services for typical data application.....

IT is necessary to use termination at both ends of thin Ethernet cables? Give solid reasons..(3)

Suppose a network administration of XYZ organization you are given a task to develop a network in a limited area with low cost then which wiring scheme will you use?Justify your ans with reasons?(5)

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While designing the ATM Technology why the designer of the ATM have have choose cells over packets which are well give reasons. Give reasons?(5)

One question about ring topology?????????

Remember me in prayers.

My Cs610 paper

total 26 questions

20 MCQs and 6 subjective

MCQs mostly past papers main set and much new over all paper easy

Q1: A local telephone company wants to connect the LANs in all its offices throughout a city. For this case which network category would be used? 2 marks

Q2: Suppose in organization network supervisor observes that the networking components take some time while forwarding data over network medium identify the type of delay? 2 marks

Q3: Network manager wants absolute privacy in his organization's computer networks even using public network. Which technology will be used and how it assures absolute privacy of packets. 3 marks

Q4: Why the repeaters are not used for extension with large networks. Give at least two reasons? 3 marks

Q5: Suppose you are assigned to connect two site offices which are situated far away from each other. One office in Lahore and other in Paris. In your opinion which one will be the appropriate solution for this scenario LAN extension or WAN? Justify your answer with reasons. 5 marks

Q6: While designing the ATM technology why the designers of the ATM have chosen cells over packets which are being used widely. Give four reasons to support. 5 marks

Question 21)

Suppose network engineer wants to transfer data that is less critical then which type of quality service specification of ATM would apply?

Question 22)

A local telephone company wants to connect LAN in all of its offices then which network category it can be used?

Question 23)

A network send and receive bits faster than computer, Explain how computer attach to the network?

Question 24)

Why repeaters not used for extension?

Question 25)

Which type of quality service specification of ATM would be applied?

Question 26)

Star textile has multiple LANs with packet switches. It is critical that if some link goes down/breakup the entire network traffic should arrive to respective destination smoothly. So, which method will meet this requirement? Give at least three reasons to support your answer

Why ATM designers chose cells over the packet(5)

Which wiring scheme will you prefer if you are developing a LAN(5)

10Mbps, NIC and 100Mbps NIC at what speed communication will happen.(3)

Write two benefits of default route(2)

In city to connect different LAN's which networking tech can be used.(2)

Q. 1. Suppose we have to extend an Ethernet segment up to three segments. Then how many repeaters will be needed for this purpose? (2 Marks)

Q.2. Suppose as a network Administrator of XYZ organization, you are given a task to develop a network in a limited area with low cost, then which wiring scheme will you use? Justify your answer with four solid reasons. (5 Marks)

Q.No.3. While designing the ATM technology, why the designers of the ATM have chosen cells over packets which are being used widely? Give five reasons to support your answer. (5 Marks)

Q.No.4. Suppose a computer B on segment 1 of a Lan sends a frame to a computer F on segment 2 of the same LAN. If the bridge receives the frame from B, just after restarted then in this case will the bridge broadcast the frame or just sent it to a particular computer. Justify your answer with reason.(3 Marks)

Q.No.5. ATM provides the best support for multiple services . Due to which reasons ATM is not adopted as a single technology underline technology. Give any three reasons to justify your answer. (3 Marks)

Q.No.6. Suppose ABC corporation has a small number of packet switches and computer systems in its computer network. IF entire network link then which routing method will be most appropriate for this scenario. (2 Marks)

MCQS.

1. _____ is used for ordinary data. (ABR, UBR,CBR,VBR)
2. The working of connection oriented service for networking is similar to the.....(Ethernet, Telephone,IP,UDP)
3. VC connection identifier occupiesbits. (16,24,32,)
4. Most WAN systems include a mechanism that can be used to eliminate the common case of duplication routing is called(Dynamic rout, Defult rout, shortest paths, Hierchical adding)
5. Wireless LAN uses as (CSM/CA, CSM/CD)
6. LAN that uses AM technology is type of(star topology, ring topology, Bus topology, Mesh topology)

Today Paper

Total Questions = 26

Total Marks = 40

Total MCQs of 1 Mark = 20

Short Subjective Question of 2 Marks = 2

Subjective Question of 3 Marks = 2

Subjective Questions of 5 Marks = 2

CS610 Today Paper

Total MCQ = 20 (Each of 1 Marks)

How many methods are available to span a network over longer distances? Just write their names. (2 Marks)

Which two identifier in ATM are used to make Virtual Circuit? (2 Marks)

When a person makes call what steps are involved in it, write every step and determine how a connection established. (5 Marks)

If a organization uses Repeaters in its network, when a frame comes from external network how it will read frame?

Support your answer with a reason; also describe three drawbacks to organization. (5 Marks)

Suppose an organization wants to build a lab of 8 computers in a single room with low budget. Which Ethernet cable scheme will be used among thick and thin Ethernet? Give Two Reasons. (3 Marks)

Suppose you are a Network Engineer in ISP, providing different technologies services like one of these may be cell based network, as Network Engineer you must know that which term is used to refer "information" related to the network but not refers to the "information" that only uses the network, give name of this term and reserved values. (3 Marks)

Today Paper

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Total Long Subjective Question of 5 Marks:2

MCQ's bht easy the past papers se kafi the...

Subject Question...

1. why the connection oriented service uses connection identifiers instead of full address? (2)
 2. Describe two major components of thick Ethernet? (2)
 3. Suppose a Network Admin wants to get automatic updates of routing information in a router if a change occurs in the network which routing algorithm will be used in this case? (3)
 4. wiring scheme (3)
 5. virtual private network (5)
 6. NIC (5)
- Question statements bht lambi the is liy note ni ker ski
Best of Luck
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hi most of mcqs were from past papers, subjective were scenario based but not very tough.
star textile needs automatic update and switch failure handling which method they will use.
a company needs city wide network, which network type they will use
can we use unlimited repeaters to cover whole world, reasons
a small company with single link which network method will be used
best of luck for your exam

MCQs are past paper style, subjective Q jo mujhe yad;

- Q# why the connection oriented service uses connection identifiers instead of full address? (2)
 - Q# why packet switch check the header frame before forwarding the packet (3)
 - Q# ATM provide best support for multiple services, Due to which reason ATM is not adopted as a single underline technology give any three reasons to justify your answer. (5)
 - Q# Star Textile has huge network of systems and switches. A task is given to IT Officer that if some link goes the entire network works smoothly. Which routing method will be used. (5)
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my today paper was from past and 80% mcqs from past

Three benefits of routing if source address is not included in the header

Answer:-

Benefit

It allows fast and efficient routing.

Packet switch need not have complete information about all destinations in spite it just has next the network can continue to function even if topology changes without notifying entire network

Question

While designing the ATM technology why designer of ATM chosen cells over packets which being used widely? Give five reasons to support your answers

Reason:

1. ATM multiplexed these 53-byte cells instead of packets which reduced worst-case cell contention jitter by a factor of almost 30, reducing the need for echo cancellers.
2. Reduction of jitter (and also end-to-end round-trip delays)
3. Full-length 1500 byte (12000-bit) data packet would take 77.42 to transmit.
4. The design of ATM aimed for a low-jitter network interface
5. ATM broke up all packets, data, and voice streams into 48-byte chunks, adding a 5-byte routing header to each one so that they could be reassembled later
6. If two buildings are located far from each other, a bridge, a pair of fiber modems and an optical fiber can be used to connect two LANs
7. LAN segments that need to be interconnected but are slightly far away, point to point wireless solutions are available

8. They are generally kept over a tower so that line of sight is realized between the locations, for best performance.
9. These outdoor access points are configured to operate in the point-to-point or point-to-multipoint modes and one such access point along with antenna/tower is required in each department/building which needs to be interconnected.
10. In certain areas, metro Ethernet might be available where the service provider has the infrastructure to connect two locations of a same branch located in different places at speeds of 10/100 Mbps using his public network infrastructure

Question

If two far away situated offices are to connect with will be appropriate LAN extension or WAN. Give four reasons to support your answer

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MCQs was 90% from past papers.

2 marks questions:

Names of Types of ATM virtual circuit and how many routers needed to enhance a system three time.

3 marks questions:

Which algorithm is sufficient for automatic updates in network, 2nd Q IS NOT IN MIND.

5 marks questions:

Difference between cells and packet and which network is better for long distance LAN or WAN give 5 reasons.

In my today's paper all the MCQs were from Moaaz's File. the subjective questions that i remember are as under

1. State the name of the technology which is used for both LAN and WAN connections.(Marks 2)
2. What are the two major components of a Thick Ethernet (Marks 2)
3. What is meant by Start up and steady state behavior of a bridge (Marks 3)
4. if your are given a task to build a network that uses the public network but only allows communication between its sights which technology you will use. (Marks 3)
5. If you are given a task to build a cost effective network that spans a limited area which wiring technology you will use justify your answer with 4 reasons (Marks 5)
6. Why cells are used in ATM network justify your answer with 4 reasons (Marks 5)

My Today's Cs610 Paper

Total Questions = 26 ,Total Marks = 40, Total MCQs of 1 Mark = 20

(All Mcqs were from past papers)

Short Subjective Question of 2 Marks = 2

Subjective Question of 3 Marks = 2

Subjective Questions of 5 Marks = 2

Q1)write types Of Delay

Q2) Network manager absolute privacy in his organization's computer networks even using public network . Which technolgy will be used and how it assures absolute privacy of packets?

Q3) Suppose an electronics company is using four bridges in its network and they form a cycle due to bridges cycle. In this scenario, broadcasting frames make a problem. Which algorithm will be used to handle this situation?

Q4) If a packet switch does not check header's source information then how it can be beneficial for routing? Write three benefits.

Q5) Star textile has multiple LANs with packet switches. It is required that if any link goes down, the entire network traffic should arrive to respective destination smoothly. Which routing method will meet this requirement? Give at least three reasons to support your answer.

Q6) A NETWORK SENDS AND RECEIVES BITS FASTER THAN COMPUTER'S CPU. Explain how a computer attached to a network can handle this speed difference? Does the CPU have any role in handling it?

salam fellows.....

my question paper was

1. write 5 reasons why ATM designers choose cells mostly instead of packets? 5 marks

2. suppose you're going to networking among two far buildings which networking will you use LAN or WAN. Justify your answer with at least 4 reasons? 5 marks

3. there was a question about bridges, if computer B wants to send msg on computer F on different segment will bridge send that message or not? Give reasons

write two main components of thick ethernet 2 marks

4. in any network technology delay basically on 2 factors write each. 2 marks

and I have forgotten one question about algorithm which automatically use for I think delays....

best of luck for all of u

Almost 80% MCQs were from past papers.

Subjective is Here.

Question 21:

Write two basic components of thick Ethernet. (2 Marks)

Question 22:

As you know that ATM network specifies 24-bit VPI/VCI connection identifiers. How many bits VPI and VCI specifies individually? (2 Marks)

Question 23: (I don't remember the exact statement)

Due to Which reason ATM is not adopted as single underline technology. (3 Marks)

Question 24:

In a university campus, bridges are used in Local Area Network. Explain all steps how bridges build up lists tables for all attached computers. (3 Marks)

Question 25:

A network scenario was given. And we asked to write three drawbacks of using repeaters in that network. (5 Marks)

Question 26:

Why ATM designers chose cells over packets. Write any five reasons. (5 Marks)

Prepare well... Pray for all.

My today paper 28-12-2013.....

1. Packets vs Cells...5 Marks

2. When a packet goes from one computer to another computer, which thing tells to packet for destination computer? 2 marks

3. This question cover complete topic of Repeater. conceptual question.....5 marks

4. Write the name of a network which uses public network and also gives absolute security. 3 Marks

5. Write the name of network which uses consist both LAN and WAN.

Suggestion:

Imp. topics which need to must cover..... ATM, Virtual Private Network, Ethernet, Bridge, Repeaters, Delays, ATM Critique, Tracerout and ping command, Routing
