

## Cs 610 Quiz file Prepared by Mueen Hasan

MCS 3<sup>rd</sup>

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1) In Cyclic Redundancy Checking, CRC is \_\_\_\_\_.

- Divisor
- Quotient
- **Remainder** page 20
- Dividend

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2) The satellite or radio topology in which all computers are connected to each other via satellite or radio wave is a kind of

- **Broadcast network** page 5 Prepared by Mueen
- Point-to-Point network

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3) Which of the following two operations are performed by Ethernet CD?

- I. It monitors outgoing signals.
  - II. Grabbled signal is interpreted as a collision.
  - III. Signals are sent back to the sender.
- I and III
  - II and IV
  - II and III
  - **I and II** page 28

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4) The process of forwarding a packet is called \_\_\_\_\_.

- **Routing** page 58
- Processing
- Hierarchical Addressing
- Source Addressing

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5) Which statement is correct about Network Interface Card (NIC)?

- I. NIC contains sufficient hardware to process data independent of system CPU
  - II. NIC looks like any other I/O device to system CPU
  - III. NIC also receives interrupt on incoming data.
- I and II
  - II and III

- I and III
- **All of the given options** **page 40**

6) While transmitting data from source A to destination B, 4 bits are changed during the transmission then the error is a \_\_\_\_\_.

- **Burst error** **page 22**
- Single error
- Double error
- Logic error

7) The switch that has no attached computers is called \_\_\_\_\_.

- Packet Switch
- Exterior Switch
- **Interior Switch** **page 59**
- External Switch

8) \_\_\_\_\_ is the most popular wiring scheme because of lowest cost.

- 5 Base T
- **10 Base T** **page 43**
- 100 base T
- 1000 base T

9) In \_\_\_\_\_ technique, all members of the network can send data only on the specific time slot?

- CDMA
- FDMA
- **CSMA** **page 43**
- TDMA

10) If a sender with a 100 Megabit NIC and receiver with 10 Megabit NIC wants to communicate with each other at which speed they can communicate?

- **100 Megabit** **page 40**
- 1000 Megabit
- 10 Megabit

11) Missing \_\_\_\_\_ in a frame format indicates receiving computer missed beginning of the message.

- eot
- sot
- eoh
- **soh**

page 16

12) The \_\_\_\_\_ of errors is easier than the \_\_\_\_\_ of errors.

- correction; detection
- correction; creation
- detection; manipulation
- **detection; correction**

cs601 handouts

13) The \_\_\_\_\_ of errors is difficult than the \_\_\_\_\_ of errors.

- detection; correction
- correction; creation
- detection; manipulation
- **correction; detection**

google

14) Source Independence phenomenon allows fast and efficient \_\_\_\_\_.

- Source Addressing
- Routing
- **Packet Switching**
- Store and forward

page 58

15) In distributed route computation process each packet switch computes its routing table locally and sends messages to the \_\_\_\_\_.

- Router
- Graph
- **Neighbors**
- WAN

page 63

16) The \_\_\_ layer of the OSI model takes the data from the physical layer and perform error checking.

- **Data Link**

Google

- Transport
- Application
- Presentation

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17) CBR stands for \_\_\_\_\_.

- Constant Byte Rate
- **Constant Bit Rate**
- Connection break Recovery

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18) A network that uses \_\_\_\_\_ usually consist of a single long cable to which computer attach.

- Star Topology
- Ring Topology
- **Bus Topology** **page 26**
- Bus and Ring Topology

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19) If simultaneous transmission occurs, the frames interfere with each other and this phenomenon is called \_\_\_\_\_.

- packet loss
- **collision** **page 28**
- delayed transmission
- coordination

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20) In \_\_\_\_\_ all computers are attached to a central hub

- Ring topology
- **Star topology** **page 31**
- Hub topology
- Bus topology

---

21) For adding a new computer in a point to point network \_\_\_\_\_ new connection will be required

- N
- **N-1** **page 23**
- N-2

22) The fastest Ethernet hardware operates at a rate of \_\_\_\_\_

- 1000 bps
- **100 Mbps** page 27
- 10 Mbps
- 1000 Mbps

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23) Which of the following the benefit to point to point communication?

- Quick to configure.
- **Security implementation** page 23
- Cost
- Less availability

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24) ATM offers \_\_\_\_\_speed and \_\_\_\_\_delay

- High, High
- **High, low** page 72
- Low, low
- Low, high

---

25) Thick Ethernet is known as \_\_\_\_\_

- 10 Base 2
- **10 Base 5** google
- 10 Base T
- 10 Base 10

---

26) Both interior and exterior switches \_\_\_\_\_packet and they also need routing tables.

- Create
- Delay
- **Forward** page 59
- Start

---

27) \_\_\_\_\_ is the rate at which data can be sent through the network

- **Throughput** page 79
- Propagation delay

- Access delay
- Switching delay

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28) In a ping command, small –sized information packets of \_\_\_\_\_are sent.

- TCP
- UDP
- **ICMP** page 11
- IGMP

---

29) Many WANs use \_\_\_\_\_addressing of efficiency

- Sequence
- Forward
- **Hierarchical** page 56
- Sequential

---

30) Which of the following is not a function of ping commands?

- Local computer network issue
- Congestion in the network
- **Relay nodes** page 11
- Remote host availability

---

31) Packet switched can be linked together to form a \_\_\_\_\_

- LAN
- **WAN** page 56
- Bridge
- None of the given option

---

32) Fixed network is a type of network which is classified with respect to the factor

- Size
  - Connectivity
  - Medium
  - **Mobility** page 6
-

33) Parity bit can detect \_\_\_\_\_ error(s)

- 4
- 3
- **2**
- 1

page 19 (even or odd)

34) When we will try to connect to the internet which of the following protocol will be used?

- Telnet
- **TCP/IP**
- ICMP
- lpx

page 84

35) How many computers are mandatory to form a network?

- 1
- **2**
- 4
- 8

google

36) \_\_\_\_\_ is standard wireless LAN that uses radio signals at 2.4GHz.

- IEEE 803.16
- IEEE 802.3
- **IEEE 802.11**

page 29

37) LAN interface hardware obeys \_\_\_\_\_ access rule.

- **CSMA/CD**
- Round robin
- First come first served
- High priority

page 34

38) The most important task a bridge performs is \_\_\_\_\_.

- Packet switching
- Line controlling
- **Frame filtering**

page 50

39) ATM uses small, fixed-sized packets called cells and each cell has \_\_\_\_\_ octets.

- 47
- 52
- **53**
- 55

page 66

40) \_\_\_\_\_ can't be guaranteed with variable length packets as easily as it can with fixed length cells.

- Errors
- Noise
- Quality of Service
- **None of the given**

page 72

41) Which multiplexing technique transmits digital signals?

- WDM
- FDM
- **TDM**
- GSM

page 15

42) Connections in Asynchronous transfer mode are called \_\_\_\_\_.

- **Virtual channels**
- Virtual Path Identifier
- Cells
- Cell tax

page 67

43) A \_\_\_\_\_ is a device that combines multiple signals and forwards into a single line.

- Modem
- **Multiplexer**
- Repeater
- Layer 3 Switch

page 41

44) \_\_\_\_\_ is inflexible.

- **Static routing**

page 62

- Processing
- Searching
- Routing

---

45) If a hub is used to connect many computers in a LAN, then only \_\_\_\_\_ computers can communicate at a given time.

- Three
- **Two** page 54
- Four
- One

---

46) \_\_\_\_\_ is the term used for variance in transmission delays.

- Friction
- Segment
- Checksum
- **Jitter** page 66

---

47) \_\_\_\_\_ is also called self healing network.

- ATM
- FDDI
- Token Ring
- **Frame relay** page 46

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48) \_\_\_\_\_ and \_\_\_\_\_ are the two frame types.

- Internal and external
- Single and dual
- Implicit and explicit
- **Multicast and broadcast** page 35

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49) Bluetooth uses shared medium and \_\_\_\_\_ instead of coaxial cable.

- **Radio waves** page 29
- Infrared waves
- Micro waves
- Low frequency waves

•  
50) Which of the following is not a guided medium?

- Twisted pair cable
- Fiber-optic cable
- **Atmosphere** google
- Coaxial cable

-----  
51) As a result of ARPA research, the first network was established which was named as \_\_\_\_\_.

- INTERNETWORKING
- ARPNET
- **ARPANET** page 9
- PACKET NETWORK

-----  
52) Asynchronous transfer mode (ATM) can dynamically establish a \_\_\_\_\_.

- **Switched virtual circuit** page 70
- Virtual connection identifier
- Virtual path indicator
- None of the given options

-----  
53) A typical port on an ATM switch operates at \_\_\_\_\_ or \_\_\_\_\_ higher.

- OC-2 speed (1000Mbps)
- **OC-3 speed (155Mbps)** page 72
- OC-3 speed (100Gbps)

-----  
54) 10Base-T Ethernet is often called a \_\_\_\_\_.

- ring shaped star
- ring shaped bus
- **star shaped bus** page 46
- star shaped ring

-----  
55) \_\_\_\_\_ allows automatic updates.

- **Dynamic routing** page 62
- Static routing
- Routing

56) Handling variable length packets leads to memory \_\_\_\_\_.

- **Fragmentation** page 72
- Management
- Location
- Allocation

57) In order to forward a copy of frame, the bridge uses \_\_\_\_\_ address.

- Network
- **Destination** page 51
- IP
- Source

58) We may use \_\_\_\_\_ to extend local area network.

- Bridge, Router
- Bridge, Hub, Router
- **Bridge, Hub, Repeater** page 149
- Bridge, Hub, Repeater, Router

59) All of the given options are the types of delay except \_\_\_\_\_.

- Propagation
- Access
- **Throughput** page 79
- Queuing

60) While computing shortest path in a graph, next hop information is inserted into \_\_\_\_\_.

- **Routing table** page 62
- Trailer
- Header
- Register

61) LAN interface uses \_\_\_\_\_ to copy frame data directly from main memory

- **DMA** page 34
- FDDI

- Hard disk
- Flash

62) The Gigabit Ethernet hardware operates at a rate of \_\_\_\_\_.

- 10 Mbps
- 100 Mbps
- **1000 Mbps** **reference book page 263**
- 1000 Gbps

63) In the early resource sharing era, which resources were shared among users?

- **Computation** **page 9**
- Floppy Drives
- Hard Disk
- Printers

64) If two buildings are located far from each other then bridge, and \_\_\_\_\_ can be used to connect two LAN.

- **Optical fiber** **page 51**
- Ethernet modem
- Switch
- NIC

65) Which type of network consists of wireless connection of laptops in a university classroom?

- WAN
- MAN
- Fog
- **LAN** **google**

66) A typical bridge has \_\_\_\_\_.

- One NIC, a CPU a memory and a ROM.
- **Two NICs, a CPU a memory and a ROM.** **page 50**
- A cache memory, ROM and CPU.

67) \_\_\_\_\_ is used for compressed audio and video, where the data rate depends on the level of compression that can be achieved.

- Constant Bit Rate
- Stable Bit Rate
- **Variable Bit Rate** page 71
- Available Bit Rate

---

68) There are \_\_\_\_\_ types of data stuffing.

- 1
- **2** page 17
- 0
- 5

---

69) Dijkstra's algorithm can accommodate weights on \_\_\_\_\_ in graph.

- **Nodes** page 62
- Edges
- Path
- Connections

---

70) \_\_\_\_\_ masks your IP address.

- Firewall
- **VPN**
- Incognito mode

---

71) Static routing computes routing table information at \_\_\_\_\_ time.

- Load
- **Boot** page 62
- Execute

72) \_\_\_\_\_ was the first automated tool required to see whether the given computer is online or not.

- **None of the above** page 11
- Probing program
- PING program
- status program

73) In which type of error detection, the arithmetic sum is calculated before and after the transmission of data at both communication ends?

- CRC
- Parity
- **Checksum**
- Hash Function

page 19

74) Computer sends a connection request to the \_\_\_\_\_ to which it is attached while establishing a switched virtual circuit

- Bridge
- **Switch**
- VPI
- Virtual circuit

page 70

75) The bridges communicate with each other on the network and use \_\_\_\_\_ algorithm to decide which bridge will not forward frames if a cycle occurs.

- Dijkstra
- Shortest path first
- Vector distance
- **Distributed Spanning Tree**

page 53

76) Ethernet uses a \_\_\_\_\_ bit static addressing scheme in which each device is assigned a unique address by the manufacturer.

- 64
- **48**
- 32
- 16

77) Weights on graph edges reflect cost of \_\_\_\_\_.

- Nodes
- **Traversing edge**
- Trending edge
- Path

page 63

78) A \_\_\_\_\_ relies on the hardware manufacturer to assign a unique physical address to each network interface.

- **Static addressing scheme** page 34
- Configurable addressing scheme
- Dynamic addressing scheme
- None of the given

---

79) In \_\_\_\_\_ topology, if the switch goes down all the computers will be disconnected.

- **Star**
- Ring
- Bus
- Mesh

---

80) Which type of network consists of wired computers in a university classroom?

- MAN
- PAN
- WAN
- **LAN**

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81) If you as a network administrator want to know the traffic flow of your data while communicating with a remote computer which of the following will be used to know about intermediate routers?

- Ipconfig
- **Ping** page 11
- Traceroute
- Arp

---

82) Hardware address is also called \_\_\_\_\_.

- **Physical address**
  - Logical address
  - IP address
  - Port address
-

83) Thick Ethernet also requires \_\_\_\_\_ to avoid signal reflectance.

- Transceivers
- AUI cable
- Drop cable
- **Terminators**

page 41

84) Which of the following network is using the TCP/IP model globally?

- PAN
- SAN
- LAN
- **The Internet**

85) VPNs connections are sometimes called \_\_\_\_\_.

- **Tunnels**
- Open networking
- Routing
- Public network

page 75

86) To reduce \_\_\_\_\_ computers can be connected and distributed to a number of hubs, then the hubs can be connected to a switch.

- **Costs**
- Quality
- Efficiency
- Noise

page 54

87) If a \_\_\_\_\_ is used the communication between two computers will not affect the other pair of computers and they can communicate at the same time

- Hub
- **Switch**
- Repeater
- Amplifier

page 54

88) The length of hardware address is \_\_\_\_\_.

- **One to six bytes**
- One to five bytes

- One to ten bytes page 34
- One to seven bytes

89) A network analyzer is also called \_\_\_\_\_.

- Network manager
- Network administrator
- **Network monitor** page 37
- Network

90) No any error detection scheme is perfect because transmission errors can affect \_\_\_\_\_.

- Data
- Additional Information
- **Additional information & data** google
- Transmission medium

91) The token ring network topology is a ring but wiring topology is a \_\_\_\_\_.

- **Star** page 44
- bus
- tree
- mesh

92) \_\_\_\_\_ addresses are used in an ethernet frame.

- **IP** page 99
- Port
- Logical
- MAC

93) AUI cable connects from NIC to \_\_\_\_\_.

- BNC Connector
- RJ-45 Connector
- **Transceiver** page 41
- Terminator

94) Public networks are \_\_\_\_\_.

- More secure than LAN
- **Flexible page** 74
- Limited in boundary
- Intranet

95) The maximum cable length of a LAN is fixed because \_\_\_\_\_.

- Additional hardware are not suitable for the LAN extension.
- **The electrical signal level gets weaker as it travels.** Page 48
- Additional software are not suitable for the LAN extension
- The electrical signal level gets stronger as it travels.

96) In \_\_\_\_\_ network topology is separated from route computation.

- Local area
- **Link-state routing** page 64
- Static routing
- Dynamic routing

97) Which layer of the OSI Model directly communicates and controls the transmission medium:

- Transmission
- **Physical**
- Application
- Network

98) In \_\_\_\_\_ technique data is treated as a sequence of integers and their arithmetic sum is computed and the carry bits are added to the final sum.

- CRC
- Bit stuffing
- **Checksum** page 19
- 2D Parity

99) A network with \_\_\_\_\_ jitter takes more time to deliver some packets than others.

- Zero
- **High** page 80
- Low
- Moderate

---

100) A network uses \_\_\_\_\_ to arrange computers in a single closed loop.

- Star Topology
- Mesh Topology
- **Ring Topology** page 25
- Bus Topology

---

101) Which of the following tasks is not done by the second layer of the OSI model?

- Flow control
- Framing
- **Channel coding** google
- Error control

---

102) ATM is a single technology designed to meet the goals of both \_\_\_\_\_ and \_\_\_\_\_.

- LAN & PAN
- **LAN & WAN** page 66
- LAN & MAN
- MAN & WAN

---

103) LAN and WAN are classified according to their \_\_\_\_\_.

- **Size** page 4
- Connectivity
- Medium
- Mobility

---

104) The identifier that is used for data transfer in the virtual circuit network is called \_\_\_\_\_.

- **Virtual circuit identifier**
- Global address

- Network identifier
- IP identifier

---

105) In Direct point to point communication adding the Nth computer requires \_\_\_\_\_ new connections

- $N^2$
- $N-1$
- $(N^2 - N)/2$
- $N(N-1)$

page 23

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106) Which of the following is the correct function of bridge?

- MTU path discovery
- Byte stuffing
- Routing information

- **Filtering and forwarding a frame**

page 50, 51

---

107) Point to point topology is

- Size based
- Mobility based
- **Connectivity based**
- Medium based

page 5

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108) IEEE LLC / SNAP header is \_\_\_\_\_ which is used to specify the type of data.

- **8 octets**
- 16 octets
- 32 octets
- 64octets

google

---

109) IEEE LLC / SNAP header is \_\_\_\_\_ which is used to specify the type of data.

- CRC
- Bit stuffing
- Checksum

110) What is the largest network in existence?

- **The internet** google
  - A PAN
  - A Fog
  - Edge Network
- 

111) The frame format of any LAN technology must consists of \_\_\_\_ and \_\_\_\_-

- Payload and CRC
  - Frame header and CRC
  - Payload and Frame type
  - **Frame header and payload** page 36
- 

112) \_\_\_\_\_ can occur a LANs when a packet is delayed because the network is busy

- **Jitter** page 66
  - Loop
  - Deadlock
  - Variance
- 

113) Which of the following cannot be used to extend a LAN?

- Repeaters
  - Routers
  - **Fiber modems**
- 

114) Links-state algorithm is used in \_\_\_\_\_

- RIP
- RIPv2
- **OSPF** page 64

115) According to size, there are \_\_\_\_ classifications of networks

- **2** page 2
  - 3
  - 4
  - 5
-

116) In which topology terminators are used at the end of the cable?

- Star
- **Bus**
- Ring
- Mesh

---

117) Switch simulates a \_\_\_\_\_ LAN connecting segments

- Single
- Single shared
- **Bridged** page 54
- Complex

---

118) PVS stands for \_\_\_\_\_

- Permanent virtual circuit page 69
- Private virtual circuit
- Public virtual circuit
- Plastic virtual circuit

---

119) Hardware that calculates a CRC used two simple components \_\_\_\_\_

- AND unit and XOR Unit
- **Shift register and XOR unit** page 20
- Shift register & AND unit
- Shift register and Shift XCR unit

---

120) Thin ethernet is known as \_\_\_\_\_

- **10 base 2** google
- 10 base 5
- 10 base T
- All of the above

---

121) If a sender with a 1 Gigabit NIC and receiver with 100 Megabit NIC wants to communicate with each other than at which speed they can communicate

- **100 Megabit**

- 11 Megabit
- 1 Gigabit
- Gigabit

---

122) \_\_\_\_\_ is used as an alternative of packet for a specific computer network technology

- Datum
- Token
- Ether
- **Frame**

page 14

---

123) The sharing of a medium and its link by two or more devices is called \_\_\_\_

- Modulation
- Encoding
- **Multiplexing**
- Line discipline

---

124) The topology each computer is connected to a central hub is called

- Ring topology
- **Star topology**
- Tree topology
- Mesh topology

page 5

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125) Asynchronous transfer mode (ATM) is designed to work on fiber but can be used with \_\_\_\_\_

- Wireless
- **Twisted pair**
- Wifi

page 72

---

126) The basic responsibility of NIC is \_\_\_\_\_

- **To access medium network**
- To resource allocation
- To access memory
- All of the given option

127) Frame relay is \_\_\_\_

- **Connection oriented service** **page 64**
- Connectionless service
- Typically ranges for 5 Mbps to 1000Mbps
- Call based

128) The length of time required to send a variable length packet is \_\_\_\_

- 5 second
- **Variable** **page 72**
- Constant
- Fix

129) ABR stands for \_\_\_\_\_

- Asynchronous bit rate
- Asynchronous byte recovery
- Asynchronous bit redundancy
- **Available bit rate** **page 71**

130) In Token Ring, if all computers are ready to transmit it enforces \_\_\_\_\_ Access

- First come first served
- **Round Robin** **page 30**
- Shorter delay
- Last come first served

131) The Ethernet standard specifies that frames are sent using the \_\_\_\_\_ scheme.

- Differential Manchester
- Not Return to Zero (NRZ)
- **Manchester Encoding** **page 27**
- Return to Zero (RZ)

132) ATM uses the concept of \_\_\_\_\_.

- **Connection-oriented**
- Connection-less
- variable packet size
- Fixed and variable packet size

page 66

133) Which of the following is a benefit of point to point communication?

- Quick to configure
- **Security implementation**
- Cost
- Less availability

134) \_\_\_\_\_ is not used to extend LAN.

- Hub
- **Fiber modem**
- Repeater
- Bridge

135) Which types of VPNs are used for corporate connectivity across companies residing in different geographical locations?

- Remote access VPNs
- Peer-to-peer VPNs
- Country-to-country VPNs
- **Site-to-site VPNs**

google

136) Star topology is the kind of

- Tree topology
- **Point-to-point topology**
- Broadcast topology
- Ring topology

page 05

137) In a \_\_\_\_\_ state, a bridge allows simultaneous use of each segment.

- Ready
- **Steady**

- Final
- Startup

---

138) The network occupies larger areas like cities & countries is called

- LAN
- **WAN**
- MAN
- All of the above

---

139) In link state routing \_\_\_\_\_ send link-state information about local connections.

- Bridge
- **Switches**
- Routers
- Hubs

---

140) Transmission media are usually categorized as \_\_\_\_\_.

- **Guided or unguided**
- Fixed or unfixd
- Determinate or indeterminate
- Metallic or nonmetallic

---

141) Even parity can be used to check for \_\_\_\_\_ bit/ bits of errors.

- **1** page 18
- 2
- 3
- 0

---

142) Routing table entries can be \_\_\_\_\_ with a default route.

- **Collapsed**
  - Redirected
  - Emerged
  - Guaranteed
-

143) The system administrator must coordinate to avoid the conflict in \_\_\_\_\_ hardware addressing scheme.

- Static
- Dynamic
- **Configurable**
- Fixed

144) \_\_\_\_\_ network does not depend on CSMA/CD.

- **Ethernet**
- Fast Ethernet
- Gigabit Ethernet
- Wireless

145) Which of the following technologies can extend the diameter of LAN medium?

- Fiber optic
- Repeater
- Diameter of LAN medium is not extendable
- **Both. Fiber optic and Repeaters**

146) Connections are formed in Asynchronous transfer mode by starting values in \_\_\_\_\_ in ATM switches, as opposed to making actual electrical connections.

- Heap
- Stack
- Virtual Circuit
- **Memory locations** **page 67**

147) The \_\_\_\_\_ scheme must be reliable to prevent conflicts.

- Static
- **Dynamic** **page 34**
- Configurable
- Fixed

148) Metropolitan area network is used for \_\_\_\_\_.

- **City** **page 55**
- Building
- Country
- Continent

149) Which addressing can be only used in the local area networks?

- **IP** **google**
- Physical
- Port
- Protocol

150) The sharing of a \_\_\_\_\_ among the workers in an office is a goal of resource sharing.

- Mouse
- **Printer** **page 9**
- Keyboard
- Motherboard

151) ATM uses fixed size, small cells, 48 octet's data and \_\_\_\_\_.

- Octets header
- **Octets header** **page 65**
- Octets header
- Octets header

152) Which of the followings is not an advantage of framing?

- Missing eot indicates sending computer crashed.
- Missing soh indicates receiving computer missed beginning of message.
- **Delimiters do not contain any user data** **page 16**
- Bad frame is discarded.

153) The \_\_\_\_\_ field of Ethernet frame has the purpose of receiver synchronization.

- **Preamble** page 36
- Frame Type
- Data
- CRC

---

154) \_\_\_\_\_ was the first internet available for the first time.

- ARPANAT
- The ARPNET
- The NET
- **ARPANET** page 9

---

155) We need packets rather than bits because \_\_\_\_\_

- To compress the data
- Packets move faster
- **Sender and receiver need to coordinate to detect transmission errors.** Page 14
- Packets can only move between two terminals

---

156) When an application \_\_\_\_\_ any data, it makes a copy of the data available to all other computers on the network.

- **Multicast** page 143
- Broadcast
- Anycast
- Unicast

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157) VBR stands for \_\_\_\_\_

- Virtual Bit Rate
  - Virtual Byte Rate
  - Variable Byte Redundancy
  - **Variable Bit Rate** page 71
-