

CS-601 Data Communication Update MCQS For Final Term Solve By Vu Topper RM

85% To 100% Marks



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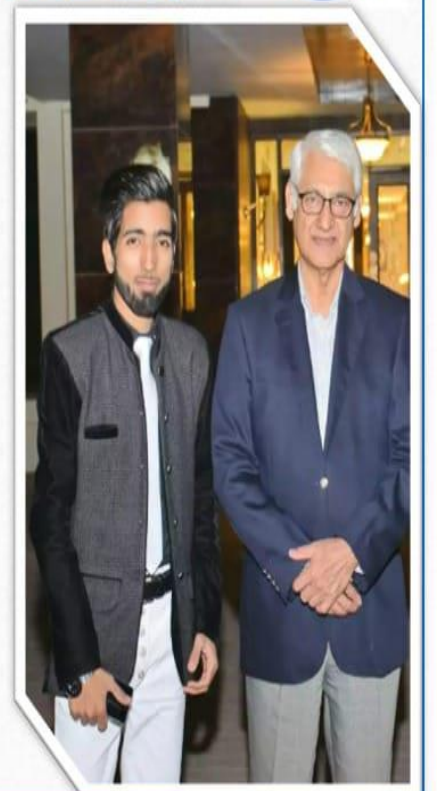
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Question No:1

(Marks:1)

Vu-Topper RM

Which one of the following is a correct controlled-access method?

- A. Polling
- B. Reservation**
- C. Token Passing
- D. All of the given

Question No:2

(Marks:1)

Vu-Topper RM

Which one of the following is a Random-Access protocol?

- A. TDMA
- B. ALOHA**
- C. CDMA/CA
- D. CDMA/CD

Question No:3

(Marks:1)

Vu-Topper RM

What was the main draw back in ALOHA Random-Access method?

- A. Potential Collision
- B. Redundancy in Data
- C. Inconsistent Data rate
- D. All of the given**

Question No:4

(Marks:1)

Vu-Topper RM

The_____ method has the highest chance of collision because two or more stations may find the line idle and send their frames immediately.

- A. p-Persistent
- B. Non-persistent
- C. All of the given
- D. 1 persistent method**

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Question No:5

(Marks:1)

Vu-Topper RM

Fast Ethernet has a data rate of _____Mbps.

A. 100

B. 200

C. 300

D. 400

Question No:6

(Marks:1)

Vu-Topper RM

In the context of Ethernet Implementations, maximum medium length of 10 Base-F was _____meters.

A. 150

B. 500

C. 1000

D. 2000

Question No:7

(Marks:1)

Vu-Topper RM

_____ works with topologies in which one device is designated as a primary station and the other devices are secondary stations.

A. Polling

B. Token Passing

C. Reservation

D. None of the given

Question No:8

(Marks:1)

Vu-Topper RM

For Carrier Sense Multiple Access/Collision Detection (CSMA/CD), we need a restriction on the_____.

A. Frame size

B. Signal Size

C. Station Size

D. Collision size

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Question No:9

(Marks:1)

Vu-Topper RM

In Ethernet frame, both destination and sender addresses are of length _____.

- A. 1 byte
- B. 2 bytes
- C. 4 bytes
- D. 6 bytes**

Question No:10

(Marks:1)

Vu-Topper RM

DSL stands for _____.

- A. data switched line
- B. digital switched line
- C. data subscriber line
- D. Digital subscriber line**

Google

Question No:11

(Marks:1)

Vu-Topper RM

In _____ each band is reserved for a specific station, and it belongs to the station all the time.

- A. CSMA
- B. CDMA
- C. FDMA**
- D. TDMA

Question No:12

(Marks:1)

Vu-Topper RM

When we represent the data in CDMA, if a station is idle then it sends _____.

- A. 0**
- B. -1
- C. Infinity
- D. 1

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Question No:13

(Marks:1)

Vu-Topper RM

Which one of the following is not a Channelization Protocol?

- A. CSMA**
- B. TDMA
- C. FDMA
- D. CDMA

Question No:14

(Marks:1)

Vu-Topper RM

_____ transmission technology (based on Ethernet) provides a data rate of 1 billion bits per second.

- A. Fast Ethernet
- B. Gigabit Ethernet**
- C. Standard Ethernet
- D. 10BASE-T Ethernet

Question No:15

(Marks:1)

Vu-Topper RM

In random access method, when two or more than two nodes transmit frames at the same time then _____.

- A. All the frames in collision are lost
- B. Collision has no effect on frames
- C. All the frames in collision survives**
- D. None of the these

Question No:16

(Marks:1)

Vu-Topper RM

Normally the value of K_{max} in pure ALOHA is _____.

- A. 25
- B. 10
- C. 15**
- D. 30

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Question No:17

(Marks:1)

Vu-Topper RM

_____ is/are un-reliable protocol(s).

- A. TCP
- B. UDP
- C. IP and TCP
- D. IP and UDP**

Question No:18

(Marks:1)

Vu-Topper RM

Transmission Control Protocol is a(n) _____ layer protocol.

- A. Session
- B. Transport**
- C. Application
- D. None of these

Question No:19

(Marks:1)

Vu-Topper RM

POTS stand for _____?

- A. Plain Old Time Sharing
- B. Plain Old Telephone Set
- C. Plain Old Telephone Service
- D. Plain old telephone system**

Google

Question No:20

(Marks:1)

Vu-Topper RM

In _____, each station sends a frame whenever it has a frame to send.

- A. Pure ALOHA**
- B. Slotted ALOHA
- C. None of the given
- D. Integrated ALOHA

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Question No:21

(Marks:1)

Vu-Topper RM

_____ uses thin coaxial cable.

- A. 10Base5
- B. 10Base-F
- C. 10Base-T
- D. 10BASE2**

Question No:22

(Marks:1)

Vu-Topper RM

_____ was used as the medium in 10 Base-T.

- A. Thick Coaxial Cable
- B. Thin Coaxial Cable
- C. Twisted-pair cabling**
- D. Two Mode Fiber Cable

Question No:23

(Marks:1)

Vu-Topper RM

_____ uses thick coaxial cable.

- A. 10Base2
- B. 10Base-F
- C. 10BASE5**
- D. 10Base-T

Question No:24

(Marks:1)

Vu-Topper RM

Collisions in CSMA/CA are avoided through _____.

- A. The Interframe Space
- B. The Contention Window
- C. Acknowledgements
- D. All of the given**

Question No:25

(Marks:1)

Vu-Topper RM

Ethernet Address is of _____ bytes.

- A. 4
- B. 6** **Google**

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- C. 8
- D. 12

Question No:26

(Marks:1)

Vu-Topper RM

MAC stand for _____?

- A. Main Access Control
- B. Media Access Control**
- C. Media Access Controller
- D. Mandatory Access Control

Google

Question No:27

(Marks:1)

Vu-Topper RM

Possession of TOKEN gives the station the right to_____.

- A. Modify the data
- B. Send the data**
- C. Delete the data
- D. Receive the data

Question No:28

(Marks:1)

Vu-Topper RM

In telephone network, POP stand for_____?

- A. Pride Of Place
- B. Proof Of Purchase
- C. Point Of Presence**
- D. Post Order Protocol

Handout

Question No:29

(Marks:1)

Vu-Topper RM

In CSMA/CA, _____ is the amount of time divided into slots.

- A. Collided Window
- B. Interframe Window
- C. Fragmented Window
- D. Contention Window**

Google

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Question No:30

(Marks:1)

Vu-Topper RM

In _____, each station is forced to send a frame only at beginning of time slot.

- A. Upper ALOHA
- B. Lower ALOHA
- C. Slotted ALOHA**
- D. Integrated ALOHA

Question No:31

(Marks:1)

Vu-Topper RM

In Pure ALOHA, the vulnerable time is _____ the frame transmission time.

- A. Same as
- B. Three times
- C. Two times**
- D. Four times

Question No:32

(Marks:1)

Vu-Topper RM

No matter whether the link is dedicated or broadcast, data link control (DLC) layer provides services between -----.

- A. Virtual LANs
- B. Ethernet links
- C. Two adjacent nodes**
- D. Source and destination PCs

Question No:33

(Marks:1)

Vu-Topper RM

_____ is an Authentication Protocol, which uses two-step process to authenticate user information.

- A. PAP**
- B. LCP
- C. CHAP
- D. ICMP

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Question No:34

(Marks:1)

Vu-Topper RM

Error detection and correction are the services provided by _____ layer.

- A. Session layer
- B. Physical layer
- C. Data link layer**
- D. Application layer

Question No:35

(Marks:1)

Vu-Topper RM

In circuit switching, when two end devices "A" and "B" connects with each other they send _____ request.

- A. Setup
- B. Inquiry
- C. Switching
- D. Acceptance**

Question No:36

(Marks:1)

Vu-Topper RM

A switched network consists of a series of interlinked _____ called switches.

- A. Root
- B. Nodes**
- C. Points
- D. System

Question No:37

(Marks:1)

Vu-Topper RM

In case of higher data rate, the number of impacted bits will be _____.

- A. Zero
- B. Lower
- C. Higher**
- D. Normal

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Question No:38

(Marks:1)

Vu-Topper RM

_____ are used to exchange session management and control information between connected devices.

- A. I-frames
- B. U-frames**
- C. S-frames
- D. N-frames

Question No:39

(Marks:1)

Vu-Topper RM

Data Link layer receives services from the _____ layer.

- A. Session
- B. Physical**
- C. Transport
- D. Application

Question No:40

(Marks:1)

Vu-Topper RM

If we increase the data rate of a transmission over noisy channel, fixed noise duration will cause _____ number of bits being impacted by the noise.

- A. Less** **Google**
- B. More
- C. Same
- D. Constant

Question No:41

(Marks:1)

Vu-Topper RM

One of the most common protocols for point-to-point access is _____.

- A. IP
- B. TCP
- C. PPP**
- D. UDP

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Question No:42

(Marks:1)

Vu-Topper RM

CHAP is an Authentication Protocol, which uses _____ process to authenticate user information.

- A. Two-way
- B. Four-way
- C. Five-way
- D. Three-way**

Question No:43

(Marks:1)

Vu-Topper RM

Payload field of the PPP frame is of variable size and it can carry maximum data up to _____.

- A. 10 bytes
- B. 100 bytes
- C. 500 bytes
- D. 1500 bytes**

Question No:44

(Marks:1)

Vu-Topper RM

In virtual circuit approach when a frame enters a switch and when it leaves a switch its VCI _____.

- A. Always Changes
- B. Remain the Same**
- C. Sometimes Changes
- D. Sometimes Remain Same

Question No:45

(Marks:1)

Vu-Topper RM

To control and manage the transfer of data, a protocol called Point to Point Protocol (PPP) is used at the _____ layer.

- A. Physical
- B. Data link
- C. Network**
- D. Presentation

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Question No:46

(Marks:1)

Vu-Topper RM

PAP and CHAP are used by _____ as Authentication Protocols.

- A. PPP**
- B. SMTP
- C. ICMP
- D. TCP/IP

Question No:47

(Marks:1)

Vu-Topper RM

Error correction is more _____ than the error detection.

- A. Easy
- B. Useless
- C. Difficult**
- D. Informal

Question No:48

(Marks:1)

Vu-Topper RM

Virtual-Circuit Networks and datagram networks are the sub categories of _____.

- A. Packet-switched networks**
- B. Circuit Switched Networks
- C. Message switched networks
- D. Both circuit and message switched networks

Question No:49

(Marks:1)

Vu-Topper RM

A virtual-circuit network is a cross between a _____ network and a datagram network.

- A. Circuit-switched**
- B. Packet switched
- C. Message switched
- D. Both message and packet switched network

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Question No:50

(Marks:1)

Vu-Topper RM

In circuit switching total Delay is combination of Connection Time, Data transfer time and _____.

- A. Switching time
- B. Receiving time
- C. Acknowledgement time
- D. Connection tear down time**

Question No:51

(Marks:1)

Vu-Topper RM

A local telephone network use _____ network.

- A. Line switched
- B. Circuit switched**
- C. Bit switched
- D. Packet switched

Question No:52

(Marks:1)

Vu-Topper RM

The _____ protocol uses both flow and error control.

- A. ICMP
- B. HDLC
- C. TCP/IP
- D. Stop-and-wait**

Question No:53

(Marks:1)

Vu-Topper RM

VCI address is _____ address in virtual circuit approach.

- A. Private
- B. Variable
- C. Global**

Question No:54

(Marks:1)

Vu-Topper RM

A virtual-circuit network operates on _____ layer.

- A. Network** **Google**
- B. Physical

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- C. Datalink
- D. Application

Question No:55 (Marks:1) **Vu-Topper RM**

If duration of noise is decreased during a transmission over noisy channel, fixed data rate of the channel will cause _____ number of bits being impacted by the noise.

- A. More**
- B. Zero
- C. Less
- D. Constant

Question No:56 (Marks:1) **Vu-Topper RM**

The _____ is the number of signal elements sent per unit time.

- A. Period
- B. Bit rate**
- C. Data rate
- D. Signal rate

Question No:57 (Marks:1) **Vu-Topper RM**

_____ is not a function of Data Link Control.

- A. Framing
- B. Modulation**
- C. Error Control
- D. Flow Control

Question No:58 (Marks:1) **Vu-Topper RM**

Congestion Control is a feature of _____ layer(s).

- A. Network
- B. Transport
- C. Data Link
- D. All mentioned.**

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Question No:59

(Marks:1)

Vu-Topper RM

_____ and _____ are the two types of addressing in virtual circuit approach.

A. Local, Global

B. Private, Public

C. Variable, Dynamic

D. Dependent, Independent

Question No:60

(Marks:1)

Vu-Topper RM

In Linear Block codes, _____ of two valid code words creates another valid code word.

A. OR

B. NOR

C. XOR

D. AND

Question No:61

(Marks:1)

Vu-Topper RM

The flag in PPP is a byte that needs to be _____ whenever it appears in the data section of the frame.

A. Blocked

B. Cleaned

C. Escaped

D. Duplicated

Question No:62

(Marks:1)

Vu-Topper RM

In even parity check code, the value of syndrome is _____ if the number of 1s is even.

A. 1

B. 2

C. 0

D. 4

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Question No:63

(Marks:1)

Vu-Topper RM

In circuit switched networks we have low efficiency but minimal

- _____.
- A. Errors
 - B. Delay
 - C. Speed**
 - D. Throughput

Question No:64

(Marks:1)

Vu-Topper RM

Data link layer is divided into _____ sub layers.

- A. Two**
- B. Five
- C. Three
- D. Seven

Question No:65

(Marks:1)

Vu-Topper RM

The message 110 sent by a source is received by a destination as 111.

This is _____ type of error.

- A. Bytes
- B. Burst
- C. Multi-bit
- D. Single bit**

Question No:66

(Marks:1)

Vu-Topper RM

Go-Back-N protocol is one of the _____ layer protocols, which is used to control the flow of data during the transmission.

- A. Physical
- B. Network**
- C. Data link
- D. Presentation

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Question No:67

(Marks:1)

Vu-Topper RM

_____ is an Authentication Protocol, which is used by the PPP to authenticate passwords.

- A. LCP
- B. PAP**
- C. ICMP
- D. CHAM

Question No:68

(Marks:1)

Vu-Topper RM

S-frames in High-Level Data Link Control (HDLC) are only used to transfer _____ information.

- A. Control**
- B. Original
- C. User data
- D. Redundant

Question No:1

(Marks:1)

Vu-Topper RM

In Block coding scheme, number of code words is always _____ data words.

- A. Equal to
- B. Same as
- C. Less than
- D. Greater than**

Question No:69

(Marks:1)

Vu-Topper RM

In-----, collisions are avoided by deferring transmission even if the channel is idle.

- A. The Slotted Frame
- B. The Interframe Space**
- C. The Deployment Frame
- D. The Contention Window

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Question No:70

(Marks:1)

Vu-Topper RM

The extra bits added with the original data for error detection/correction are called _____.

- A. Fault bits
- B. Process IDs
- C. Port numbers
- D. Redundant bits**

Question No:71

(Marks:1)

Vu-Topper RM

High-Level Data Link Control (HDLC) defines _____ types of frames to deal with the transfer modes.

- A. One
- B. Two**
- C. Three
- D. Four

Question No:72

(Marks:1)

Vu-Topper RM

In which controlled-access method all data exchanges must be made through primary device even when the ultimate destination is a secondary device?

- A. Polling**
- B. Reservation
- C. Token Passing
- D. Port Forwarding

Question No:73

(Marks:1)

Vu-Topper RM

The type of ALOHA which improves the efficiency of Pure ALOHA is

- A. Upper ALOHA
- B. Lower ALOHA
- C. Slotted ALOHA**
- D. Integrated ALOHA

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Question No:74

(Marks:1)

Vu-Topper RM

_____ is the process of converting digital data to digital signals.

- A. CSMA/CD
- B. CSMA/CA
- C. Line coding**
- D. Segmentation

Question No:75

(Marks:1)

Vu-Topper RM

If the Hamming distance between sent and received code word is _____, then it shows that received data is corrupted.

- A. $\neq 0$**
- B. =1
- C. =0
- D. $\neq 1$

Question No:76

(Marks:1)

Vu-Topper RM

In _____, each station is allocated a time slot during which it can send data.

- A. CDMA
- B. NDMA
- C. TDMA**
- D. FDMA

Question No:77

(Marks:1)

Vu-Topper RM

_____ works with topologies in which one device is designated as a primary station and the other devices are secondary stations.

- A. Token
- B. Polling**
- C. Reservation
- D. None of the given

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Question No:78

(Marks:1)

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If we need to correct a single error in an 8-bit data unit, we need to consider _____ possible error locations.

A. 16

B. 2

C. 4

D. 8

Question No:79

(Marks:1)

Vu-Topper RM

Checksum is an error-detection technique that can be applied to a message of _____ length.

A. Any

B. Exactly 4

C. Exactly 8

D. Exactly 32

Question No:80

(Marks:1)

Vu-Topper RM

CDMA stands for _____.

A. Code Data Multiple Access

B. Carrier Data Multiple Access

C. Code Division Multiple Access

D. Carrier Division Multiple Access

Question No:81

(Marks:1)

Vu-Topper RM

In Block coding we divide our message into blocks of k bits called as

A. Passwords

B. Cross word

C. Code words

D. Data words

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Question No:82

(Marks:1)

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Stop-and-Wait protocol is used for _____

- A. Error control only
- B. Flow control only
- C. Both flow and error control**
- D. Neither flow nor error control

Question No:83

(Marks:1)

Vu-Topper RM

In order to find hamming distance between two pair of words, _____ logical operation is used.

- A. OR
- B. XOR**
- C. AND
- D. NAND

Question No:84

(Marks:1)

Vu-Topper RM

The message 1110 sent by a source is received by a destination as 1011. This is _____ type of error.

- A. Burst**
- B. Uni-Bit
- C. Hamming
- D. Single-Bit

Question No:85

(Marks:1)

Vu-Topper RM

In order to resolve link layer address of the next node, the first generated ARP request is always in _____ mode.

- A. Unicast
- B. Multiplex
- C. Multicast
- D. Broadcast**

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Question No:86

(Marks:1)

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_____ is responsible for governing node to node communication.

- A. Session Layer**
- B. Data link layer
- C. Application Layer
- D. Presentation Layer

Question No:87

(Marks:1)

Vu-Topper RM

Media Access Control (MAC) and Data Link Control (DLC) constitute _____ layer.

- A. Physical
- B. Network
- C. Data link**
- D. Transport

Question No:88

(Marks:1)

Vu-Topper RM

a3:34:45:11:92:F1 is a _____ link layer address.

- A. Unicast**
- B. Multiplex
- C. Multicast
- D. Broadcast

Question No:89

(Marks:1)

Vu-Topper RM

ff:FF:FF:FF:FF:FF is a _____ link layer address.

- A. Unicast
- B. Multiplex
- C. Multicast
- D. Broadcast**

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Question No:90

(Marks:1)

Vu-Topper RM

In character oriented protocol, each character of frame is encoded using----- coding system.

- A. NRZ
- B. ASCII**
- C. Unicode
- D. Bipolar AMI

Question No:91

(Marks:1)

Vu-Topper RM

In the _____ method, the stations in a network are organized in a logical ring.

- A. Polling
- B. Reservation
- C. Token-passing**
- D. None of these

Question No:92

(Marks:1)

Vu-Topper RM

In _____ a station monitors the medium after it sends a frame to see if the transmission was successful.

- A. CSMA
- B. CSMA/CA
- C. CSMA/CD**
- D. None of these

Question No:93

(Marks:1)

Vu-Topper RM

In _____ protocol, the sender sends one frame at a time and waits for an acknowledgment before sending the next one.

- A. Simple
- B. Go-Back-N
- C. Stop-and-wait**
- D. Selective-Repeat

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Question No:94

(Marks:1)

Vu-Topper RM

In MAC, when nodes use a multi-point or broadcast link, we need a _____ to coordinate access to the link.

- A. Telnet Protocol
- B. Application Protocol
- C. Data encrypt Protocol

D. Multiple-access protocol

Question No:95

(Marks:1)

Vu-Topper RM

Like 10 Base 5, 10 Base 2 is a _____ topology LAN.

- A. Ring
- B. Mesh
- C. Star

D. Bus

Question No:96

(Marks:1)

Vu-Topper RM

The transmission medium that carries the message is referred to as the

- A. Protocol
- B. Gateways
- C. Send and receive device

D. Communication channel

Question No:97

(Marks:1)

Vu-Topper RM

Analog signals are referring to be _____

- A. Discrete
- B. Periodic

C. Continuous

D. None of these

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Question No:98

(Marks:1)

Vu-Topper RM

There are _____ types of serial transmission.

A. 3

B. 4

C. 2

D. None of the given

Question No:99

(Marks:1)

Vu-Topper RM

There are three types of Hubs that exist. Which of the following options correctly describes these three?

A. Passive, Active, Turbo

B. Passive, dormant, special

C. Active , dormant , passive

D. Passive, Active, Intelligent

Question No:100

(Marks:1)

Vu-Topper RM

_____ is the rate of change with respect to time.

A. Voltage

B. Time

C. Frequency

D. Amplitude

Question No:101

(Marks:1)

Vu-Topper RM

What is the frequency of a sine wave if it completes one cycle in 2 seconds?

A. 0.5

B. 0.6

C. 0.3

D. 0.2

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Question No:102

(Marks:1)

Vu-Topper RM

_____ relatively measures the strength of two signals.

- A. Signal rate
- B. Bit rate
- C. Decibel
- D. Pulse Rate**

Question No:103

(Marks:1)

Vu-Topper RM

Central Hub in a Tree is an _____.

- A. Active hub**
- B. passive hub
- C. Both
- D. None of these

Question No:104

(Marks:1)

Vu-Topper RM

At the CRC generator, _____ added to the data unit before the divisional process.

- A. 0s are**
- B. 1s are
- C. a polynomial is
- D. a CRC remainder is

Question No:105

(Marks:1)

Vu-Topper RM

A broadcast signal is received by the orbiting satellites which rebroadcasts _____.

- A. to the resender
- B. to the sender
- C. to the atmosphere
- D. none of the given**

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Question No:106

(Marks:1)

Vu-Topper RM

In _____, a signal is directed straight from antenna to antenna.

- A. Space propagation
- B. Ground propagation
- C. None of the these

D. Line of sight propagation

Question No:107

(Marks:1)

Vu-Topper RM

Which of the following consist of just one redundant bit per data unit?

Two-dimensional Parity check.

- A. CRC
- B. Checksum
- C. None of these

D. Simple Parity Check

Question No:108

(Marks:1)

Vu-Topper RM

The term _____ means that only one bit of a given data unit is changed from 1 to 0 or from 0 to 1.

- A. Burst Error
- B. Packet Error
- C. Character Error

D. Single Bit Error

Question No:109

(Marks:1)

Vu-Topper RM

Flow control is needed to prevent _____.

- A. Bit errors
- B. Overflow of the sender buffer

C. Overflow of the receiver buffer

D. Collision between sender and receiver

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Question No:110

(Marks:1)

Vu-Topper RM

A fiber -optic cable transmit signals in the form of _____.

A. Light

B. Sound

C. Wave

D. None of the given

Question No:111

(Marks:1)

Vu-Topper RM

The inversion of the level at 1 bit is called as _____.

A. NRZ-L

B. NRZ-I

C. RNR-L

D. NRA-L

Question No:112

(Marks:1)

Vu-Topper RM

Data is transmitted using light through a _____ cable.

A. coaxial

B. fiber-optic

C. microwave

D. twisted pair

Question No:113

(Marks:1)

Vu-Topper RM

In OSI model headers are added at layer _____.

A. 1,2,3 only

B. 6,5,7 only

C. 5,4,3 only

D. 6,5,4,3,2 only

Question No:114

(Marks:1)

Vu-Topper RM

In ASK, both _____ and _____ remain constant.

A. Amplitude, phase

B. Frequency, Phase

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- C. Amplitude, Samples
- D. Amplitude, Frequency

Question No:115 (Marks:1) **Vu-Topper RM**

Which error detection method consists of a parity bit for each unit as well as an entire data unit of parity bits?

- A. Checksum
- B. Cyclic Redundancy Check (CRC)
- C. Longitudinal Red Check (LRC)**
- D. Vertical Redundancy Check (VRC)

Question No:116 (Marks:1) **Vu-Topper RM**

The most common type of connector used by coaxial cable is

- _____.
- A. BNC**
 - B. RJ-45
 - C. RJ-11
 - D. RJ-57

Question No:117 (Marks:1) **Vu-Topper RM**

What is the period of a Sine wave having frequency of 10 Hz?

- A. 0.2
- B. 0.1**
- C. 0.5
- D. 0.3

Question No:118 (Marks:1) **Vu-Topper RM**

In _____, both peak amplitude and frequency remains constant as the phase changes.

- A. PSK**
- B. QAM
- C. None of these

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D. Both PSK & QAM

Question No:119

(Marks:1)

Vu-Topper RM

There are _____ types of guided media.

A. 2

B. 3

C. 4

D. 5

Question No:120

(Marks:1)

Vu-Topper RM

Terminal, microprocessor, computer, printer or any other device that generates or consumes digital data is known as _____

A. DCE

B. DTE

C. DCE & DTE

D. None of the given

Question No:121

(Marks:1)

Vu-Topper RM

Sampling means measuring _____ of signal at equal intervals

A. Amplitudes

B. Frequencies

C. Phases

D. None of these

Question No:122

(Marks:1)

Vu-Topper RM

A sine wave is _____.

A. periodic and discrete

B. aperiodic and discrete

C. periodic and continuous

D. aperiodic and continuous

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Question No:123

(Marks:1)

Vu-Topper RM

To make sure that source does not overwhelm destination by sending data faster than it can be handled and processed is called?

- A. Recovery
- B. Flow Control**
- C. Addressing & Routing
- D. Exchange Management

Question No:124

(Marks:1)

Vu-Topper RM

If a digital signal has "L" number of levels. _____ is the number of bits required to represent each level.

- A. Log L**
- B. L Square
- C. Log(2*L)
- D. Log Base 2 L

Question No:125

(Marks:1)

Vu-Topper RM

_____ category of coaxial cable is used for Cable TV.

- A. RG-58
- B. RG-59
- C. RG-11**
- D. RG-57

Question No:126

(Marks:1)

Vu-Topper RM

Radio is an example of _____ signal conversion.

- A. Analog to analog**
- B. Analog to digital
- C. Digital to Digital
- D. Digital to analog

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Question No:127

(Marks:1)

Vu-Topper RM

Analog To Analog Conversion Methods include _____.

- A. AM, PM and FM**
- B. AM, FSK and PM
- C. AM, PM and QAM
- D. None of the given

Question No:128

(Marks:1)

Vu-Topper RM

The original Ethernet technology with the data rate of 10 Mbps is called _____?

- A. Standard Ethernet**
- B. Fast Ethernet
- C. Gigabit Ethernet
- D. 10 Gigabit Ethernet

Question No:129

(Marks:1)

Vu-Topper RM

Which of the following is not a characteristic of a sine wave?

- A. Phase
- B. Frequency
- C. Amplitude
- D. Segmentation**

Question No:130

(Marks:1)

Vu-Topper RM

In order to find the location of two errors in an eight bit stream, we have to see _____ different combinations.

- A. 28**
- B. 16
- C. 8
- D. 4

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Question No:131

(Marks:1)

Vu-Topper RM

_____ is used in the Stop-and-Wait protocol to overcome the issue of duplication.

- A. Frame sequencing
- B. Acknowledgement numbering
- C. Counter and Timer reset

D. Frame sequencing and Acknowledgement numbering

Question No:132

(Marks:1)

Vu-Topper RM

Which one of the following is a correct-access method?

- A. Polling
- B. Reservation**
- C. Token Passing
- D. All of the given

Question No:133

(Marks:1)

Vu-Topper RM

In the encoding where positive to negative transition is one and vice versa is zero.

- A. Manchester
- B. Differential Manchester
- C. All of the given

D. None of given

Question No:134

(Marks:1)

Vu-Topper RM

If the window size is 63 in go-back N ARQ then what is the range of sequence number?

- A. 0 to 63**
- B. 0 to 64
- C. 1 to 63
- D. 1 to 64

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Question No:135

(Marks:1)

Vu-Topper RM

At the CRC checker, _____ means that the data unit is damaged.

- A. A string of 0s
- B. A string of 1s
- C. A nonzero remainder**
- D. A string of alternating 1s and 0s

Question No:136

(Marks:1)

Vu-Topper RM

Human voice is example of _____ signal.

- A. Digital
- B. Analog**
- C. Discrete
- D. None of the given

Question No:137

(Marks:1)

Vu-Topper RM

In statistical time division multiplexing, number of slots in frame are less than _____.

- A. Input lines**
- B. Input frequency
- C. Output data rate
- D. Multiplexed T lines

Question No:138

(Marks:1)

Vu-Topper RM

A _____ modem is used to connect two DTEs directly.

- A. DSL
- B. Cable
- C. 'NULL'**
- D. None of the given

Question No:139

(Marks:1)

Vu-Topper RM

Asynchronous TDM is efficient only when the size of the time slot is kept relatively _____.

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- A. Zero
- B. Large**
- C. Small
- D. Medium

Question No:140 (Marks:1) **Vu-Topper RM**

_____ is correct formula to determine the total number of ports needed for one system connected in a mesh network.

- A. $N+1$
- B. $N-1$
- C. $N(N+1)$**
- D. None of the given.

Question No:141 (Marks:1) **Vu-Topper RM**

_____ is sometimes called the bit rate.

- A. signal rate
- B. Data rate**
- C. pulse rate
- D. modulation rate

Question No:142 (Marks:1) **Vu-Topper RM**

_____ category of coaxial cable is used for thin Ethernet.

- A. RG-1
- B. RG-58**
- C. RG-59
- D. RG-47

Question No:143 (Marks:1) **Vu-Topper RM**

Which one is not the function of data link layer?

- A. Flow control
- B. Error control
- C. Line discipline**

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D. Network control

Question No:144

(Marks:1)

Vu-Topper RM

_____ mode of serial transmission guarantees fixed rate of data.

- A. Synchronous
- B. Asynchronous
- C. Isochronous**
- D. Metachronous

Question No:145

(Marks:1)

Vu-Topper RM

Data Link layer provides services to the _____ layer.

- A. Session
- B. Network**
- C. Transport
- D. Application

Question No:146

(Marks:1)

Vu-Topper RM

The logical connection between the peer layers is _____ connection.

- A. Direct**
- B. Indirect
- C. Physical
- D. Tangible

Question No:147

(Marks:1)

Vu-Topper RM

What is the period of a Sine wave having frequency of 5 Hz?

- A. 0.2**
- B. 0.1
- C. 0.5
- D. 0.3

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Question No:148

(Marks:1)

Vu-Topper RM

A sine wave is defined by _____ characteristics.

- A. 2
- B. 3**
- C. 4
- D. 5

Question No:149

(Marks:1)

Vu-Topper RM

The _____ generates the data and passes it along with any control information to a _____.

- A. DTE, DCE**
- B. DCE, DTE
- C. DTE, DTE
- D. DCE, DCE

Question No:150

(Marks:1)

Vu-Topper RM

What is the period of a Sine wave having frequency of 2 Hz?

- A. 0.2
- B. 0.1
- C. 0.5**
- D. 0.3

Question No:151

(Marks:1)

Vu-Topper RM

WDM stands for _____.

- A. Wideband De-Modulation
- B. Worst Data Manipulation
- C. Wavelength Division Multiplexing**
- D. None of the given

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Question No:152

(Marks:1)

Vu-Topper RM

Latency is made of _____ components.

A. Two

B. Four

C. Five

D. Three

Question No:153

(Marks:1)

Vu-Topper RM

The logical connection between the peer layers is _____ connection.

A. Physical

B. Direct

C. Indirect

D. Tangible

Question No:154

(Marks:1)

Vu-Topper RM

In line discipline after the data transmission, the sending system finishes with an _____ frame.

A. EOT

B. EKT

C. ENT

D. ESP

Question No:155

(Marks:1)

Vu-Topper RM

_____ of a signal is the collection of all the component frequencies it contains.

A. Time domain

B. Frequency domain

C. Frequency spectrum

D. None of the given

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Question No:156

(Marks:1)

Vu-Topper RM

In TCP/IP protocol suite, the process of adding header at each layer on sending side is known as _____.

- A. Framing
- B. Packetizing**
- C. Encapsulation
- D. De-encapsulation

Question No:157

(Marks:1)

Vu-Topper RM

AM signal requires _____ the BW of original signal

- A. Half
- B. Same
- C. Twice**
- D. Three Times

Question No:158

(Marks:1)

Vu-Topper RM

Asynchronous transmission is _____.

- A. Fast
- B. Slow**
- C. Costly
- D. None effective

Question No:159

(Marks:1)

Vu-Topper RM

Time division multiplexing is used in _____ systems.

- A. Analog
- B. Hybrid
- C. Digital**
- D. Automated

Question No:160

(Marks:1)

Vu-Topper RM

Radio wave transmission utilizes _____ different types of propagation.

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- A. Two
- B. Four
- C. Five**
- D. Three

Question No:161 (Marks:1) **Vu-Topper RM**

At the Application layer, object/information is in the form of _____

- A. Frame
- B. Packet**
- C. Segment
- D. Message

Question No:162 (Marks:1) **Vu-Topper RM**

POST stand for _____?

- A. Plain Old Telephone Set
- B. Plain Old Time Sharing
- C. Plain Old Telephone System
- D. Plain Old Telephone Service**

Question No:163 (Marks:1) **Vu-Topper RM**

Which of the following statement is correct?

- A. Analog Signals are less prone to Noise
- B. Digital signals are less prone to Noise**
- C. Digital signals are highly prone to Noise
- D. Digital signals are not affected by Noise

Question No:164 (Marks:1) **Vu-Topper RM**

In selective-reject ARQ, only the specific damaged or lost frame is--

- A. Selected
- B. Rejected
- C. Forwarded
- D. Retransmitted**

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Question No:165

(Marks:1)

Vu-Topper RM

Encoding digital data into digital signals is called _____.

- A. Analog-to-Digital Conversion
- B. Digital-to-Analog Conversion
- C. Digital-to-Digital Conversion**
- D. None of the given

Question No:166

(Marks:1)

Vu-Topper RM

Quadrature Amplitude Modulation (QAM) is the combination of _____ and _____.

- A. FSK, PSK**
- B. PSK, FSK
- C. ASK, PSK
- D. ASK, FSK

Question No:167

(Marks:1)

Vu-Topper RM

In frequency shift keying, _____ remain(s) constant.

- A. Frequency
- B. Amplitude
- C. Both Amplitude and Phase
- D. Both Phase and Frequency**

Question No:168

(Marks:1)

Vu-Topper RM

We can have _____ different groups with a 4 bit block.

- A. 4
- B. 8**
- C. 16
- D. 32

Question No:169

(Marks:1)

Vu-Topper RM

Line Configuration refers to the way two or more devices attach to a

- A. Path

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B. Link

- C. Router
- D. Circuit

Question No:170

(Marks:1)

Vu-Topper RM

There are _____ basic categories of multiplexing.

- A. 2
- B. 3**
- C. 7
- D. 5

Question No:171

(Marks:1)

Vu-Topper RM

Low pass channel has _____ bandwidth between two stations.

- A. Shared
- B. Infinite
- C. Dedicated**
- D. Multiplexed

Question No:172

(Marks:1)

Vu-Topper RM

BSC supports _____ transmission using _____ flow control.

- A. Full-duplex, Stop and wait ARQ
- B. Half-duplex, Selective reject ARQ
- C. Full-duplex, Selective reject ARQ
- D. Half-duplex, Stop and wait ARQ**

Question No:173

(Marks:1)

Vu-Topper RM

Quantization is a method of assigning _____ values in a specific range to sampled instances.

- A. Binary
- B. Positive
- C. Negative

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D. Integral

Question No:174

(Marks:1)

Vu-Topper RM

_____ encoding is almost obsolete today

- A. Polar
- B. Bipolar
- C. Unipolar**
- D. None of the given

Question No:175

(Marks:1)

Vu-Topper RM

YMODEM has _____ Byte of data unit.

- A. 256
- B. 128
- C. 512
- D. 1024**

Question No:176

(Marks:1)

Vu-Topper RM

In CRC there is no error if the remainder at the receiver is _____.

- A. Zero**
- B. Nonzero
- C. The quotient at the sender
- D. Equal to the remainder at the sender

Question No:177

(Marks:1)

Vu-Topper RM

A portion of the path that carries TX between a given pair of devices is known as _____.

- A. Bridge
- B. Channel**
- C. Direct Point
- D. Access Point

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Question No:178

(Marks:1)

Vu-Topper RM

What is the Bandwidth of a periodic signal if it is decomposed into 4 sine waves with frequencies 200, 400, 600 and 800?

- A. 100
- B. 500
- C. 300
- D. 600**

Question No:179

(Marks:1)

Vu-Topper RM

Mr. Asif while sitting in Lahore is talking with his friend in Dubai through Skype is an example of _____.

- A. Local Area Network
- B. Wide Area Network
- C. Home Based Network
- D. Metropolitan Area Network**

Question No:180

(Marks:1)

Vu-Topper RM

Which layer is concerned with the syntax and semantics of info exchange between two systems?

- A. Session
- B. Physical
- C. Application
- D. Presentation**

Question No:181

(Marks:1)

Vu-Topper RM

Time domain shows changes in _____.

- A. Time
- B. time w.r.t signal amplitude
- C. signal amplitude w.r.t time**
- D. All of the given

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Question No:182

(Marks:1)

Vu-Topper RM

In analog transmission, the base signal is called the_____.

- A. Digital signal
- B. Analog signal
- C. Carrier Signal**
- D. Modulated signal

Question No:183

(Marks:1)

Vu-Topper RM

Which of the following is most affected by noise?

- A. PSK
- B. ASK**
- C. FSK
- D. QAM

Question No:184

(Marks:1)

Vu-Topper RM

DLC in Data Link Layer stands for_____.

- A. Data Line Code
- B. Data Link Control**
- C. Demand Link Coordination
- D. Divide Line Communication

Question No:185

(Marks:1)

Vu-Topper RM

In Pulse Code Modulation (PCM), the sampling is dependent on---

- A. Time
- B. Amplitude
- C. Frequency
- D. Signal Rate**

Question No:186

(Marks:1)

Vu-Topper RM

Two or more computers connected so that they can communicate with each other and share information is called a_____.

- A. Satellite

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- B. Protocol
- C. Network**
- D. Broadcast

Question No:187 (Marks:1) **Vu-Topper RM**

Analog refers to something that is continuous in _____.

- A. Time**
- B. Both
- C. Space Frequency
- D. None of the given

Question No:188 (Marks:1) **Vu-Topper RM**

What is the frequency of a sine wave if it completes one cycle in 5 seconds?

- A. 0.5
- B. 0.6
- C. 0.3
- D. 0.2**

Question No:189 (Marks:1) **Vu-Topper RM**

In an analog hierarchy to carry voice channels, a group can carry _____ voice channels.

- A. 60
- B. 12
- C. 25
- D. 20**

Question No:190 (Marks:1) **Vu-Topper RM**

In Synchronous TDM, Time slots are not same in number as input devices.

- True
- False**

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Question No:191

(Marks:1)

Vu-Topper RM

In _____ a dedicated communication path is established between two stations through the nodes of the network

Circuit switching

Packet switching

Question No:192

(Marks:1)

Vu-Topper RM

STP is more expensive than UTP and is less susceptible to noise.

True

False

Question No:193

(Marks:1)

Vu-Topper RM

Like Data link layer, _____ is also responsible for Flow control.

Session Layer

Transport Layer

Question No:194

(Marks:1)

Vu-Topper RM

Traditionally MANs have been implemented using one of the 2 technologies, Circuit Switching and Packet Switching

True

False

Question No:195

(Marks:1)

Vu-Topper RM

Is there any difference between Data communication and telecommunication are network?

Yes

No

Question No:196

(Marks:1)

Vu-Topper RM

In ASK correct formula for calculating the bandwidth ia as _____.

$B=(1+d)S$

$B=(1*d)S$

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Question No:197

(Marks:1)

Vu-Topper RM

TROPOSHERE is the layer of atmosphere above the troposphere but below space

True

False

Question No:198

(Marks:1)

Vu-Topper RM

_____ is normally used where speed is priority in data transfer.

Serial data transmission

Question No:199

(Marks:1)

Vu-Topper RM

In _____ type of error, two or more bits in the data unit will be changed.

burst error

Question No:200

(Marks:1)

Vu-Topper RM

Guard bands are used in _____ multiplexing technique, to avoid overlapping of frequency bands assigned to each user.

FDM

Question No:201

(Marks:1)

Vu-Topper RM

PSK is susceptible to the noise degradation.

True

False

Question No:202

(Marks:1)

Vu-Topper RM

A personal computer or workstation on an Ethernet network must have _____ card

NIC

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Question No:203

(Marks:1)

Vu-Topper RM

In the context of Ethernet address, the source address is always a --
address

Multicast

Question No:204

(Marks:1)

Vu-Topper RM

In Ethernet, the source address field in the MAC frame is the _ address

Previous station physical

Question No:205

(Marks:1)

Vu-Topper RM

In each character protocol each character of frame is encoded using
____ coding system .

Bit-oriented

Question No:206

(Marks:1)

Vu-Topper RM

In _____ collision are avoided by deferring transmission even if the
channel is idle

The interframe space

Question No:207

(Marks:1)

Vu-Topper RM

_-----uses fiber-optic cable

10base-F

Question No:208

(Marks:1)

Vu-Topper RM

Mac address is of _____

48 bits

Question No:209

(Marks:1)

Vu-Topper RM

SONET stands for

Synchronous optical network

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Question No:210

(Marks:1)

Vu-Topper RM

In hexadecimal notation of Ethernet address, each byte is separated by -
----- symbol.

Colon

Question No:211

(Marks:1)

Vu-Topper RM

In order to find the location of two errors in an eight-bit stream, we
have to see _____ different combinations.

28

Question No:212

(Marks:1)

Vu-Topper RM

In a linear block code, the _____ of any two valid codewords creates
another valid codeword.

XOR

Question No:213

(Marks:1)

Vu-Topper RM

The original Ethernet technology with the data rate of 10 MBps is
called_____?

Standard Ethernet

Question No:214

(Marks:1)

Vu-Topper RM

POTS stand for _?

Plain old telephone system

Question No:215

(Marks:1)

Vu-Topper RM

In the context of Ethernet address, the destination address is always a
_____ address.

Unicast, multicast, broadcast

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Question No:216

(Marks:1)

Vu-Topper RM

If the harming distance between sent and received code word is _____ then it shows that received data is corrupted.

Is not equal to 0

Question No:217

(Marks:1)

Vu-Topper RM

What was the main drawback in the aloha random access method-----

Redundancy in data

Question No:218

(Marks:1)

Vu-Topper RM

In telephone, network POP stands for

Point-of presence

Question No:219

(Marks:1)

Vu-Topper RM

Transmission technology based on Ethernet provides a data rate of 1 billion bits per second.

Standard Ethernet

Question No:220

(Marks:1)

Vu-Topper RM

In pure aloha the vulnerable time is ___ the frame transmission time

Two times

Question No:221

(Marks:1)

Vu-Topper RM

The original Ethernet technology with the data rate of 10 Mbps is called

Standard ethernet

Question No:222

(Marks:1)

Vu-Topper RM

Which of the following is a correct controlled access method?

All options

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Question No:223

(Marks:1)

Vu-Topper RM

In telephone, network POP stands for _____.

Point of presence

Question No:224

(Marks:1)

Vu-Topper RM

What was the main drawback in the aloha random access method?

Redundancy data rate

Question No:225

(Marks:1)

Vu-Topper RM

By using-----system, change in the file contents during file transmission can be avoided.

Error Detection and Correction

Question No:226

(Marks:1)

Vu-Topper RM

Baud rate is greater than or equal to the bit rate.

True

False

Question No:227

(Marks:1)

Vu-Topper RM

The level of signal is always positive in NRZ encoding.

True

False

Question No:228

(Marks:1)

Vu-Topper RM

Session layer is responsible for _____.

Reassembly of data

Maintaining the connection

Question No:229

(Marks:1)

Vu-Topper RM

The Internet is-----.

A global network of computers networks

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