

Professional Online Academy Vu Topper RM



CS601-Data Communication

Update MCQ'S Quiz-4 File

By Vu Topper RM



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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**

Question No:5

(Marks:1)

Vu-Topper RM

Fast Ethernet has a data rate of _____ Mbps.

- A. 100**
- B. 200

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- 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

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

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D. 6 bytes

Question No:10

(Marks:1)

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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

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

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Question No:14

(Marks:1)

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_____ 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

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)

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

- A. Session

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B. Transport

- C. Application
- D. None of these

Question No:19

(Marks:1)

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POTS stand for _____?

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

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

Question No:21

(Marks:1)

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_____ uses thin coaxial cable.

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

Question No:22

(Marks:1)

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_____ 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

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Question No:23

(Marks:1)

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_____ 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**
- C. 8
- D. 12

Question No:26

(Marks:1)

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MAC stand for _____ ?

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

Question No:27

(Marks:1)

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Possession of TOKEN gives the station the right to _____.

- A. Modify the data
- B. Send the data**

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- C. Delete the data
- D. Receive the data

Question No:28 (Marks:1)

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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

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

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Question No:32

(Marks:1)

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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)

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

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

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**

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Question No:36

(Marks:1)

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

A. Root

B. Nodes **Google**

C. Points

D. System

Question No:37

(Marks:1)

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

_____.

A. Zero

B. Lower

C. Higher

D. Normal

Question No:38

(Marks:1)

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_____ 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)

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Data Link layer receives services from the _____ layer.

A. Session

B. Physical

C. Transport

D. Application

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Question No:40

(Marks:1)

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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

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**

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Question No:44

(Marks:1)

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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

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)

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

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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

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

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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
- 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.

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- 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.**

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

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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

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

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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

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:69

(Marks:1)

Vu-Topper RM

Density of the core at the destination decreases in _____ propagation mode.

- A. Multimode, graded index
- B. Single mode, graded index
- C. Multimode, step index**
- D. Single mode, step index

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Question No:70

(Marks:1)

Vu-Topper RM

Which of the following is a subset of Cyclic Codes?

- A. Hamming Codes
- B. Parity Check
- C. Linear Block Codes
- D. Cyclic Redundancy Check (CRC)**

Question No:71

(Marks:1)

Vu-Topper RM

In digital communication, why do we use a checksum for error detection in a message?

- A. To ensure even or odd parity
- B. To encrypt the data
- C. To correct errors**
- D. To facilitate faster data transmission

Question No:72

(Marks:1)

Vu-Topper RM

Today's Advanced Ethernet is capable of transmitting data with the speed of _____.

- A. 15 TBPS
- B. 10 MBPS
- C. 10GBPS**
- D. 1 KBPS

Question No:73

(Marks:1)

Vu-Topper RM

TOKEN possession time management primarily controls the

- A. frequency of token generation within the network
- B. encryption applied to the TOKEN packet
- C. duration a station can keep the TOKEN before passing it on**
- D. speed at which data packets are transmitted

Question No:74

(Marks:1)

Vu-Topper RM

There are _____ bits in each byte of the address "47:20:1B:2E:08:EE".

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- A. 7 bits
- B. 8 bits**
- C. 16 bits
- D. 6 bits

Question No:75 (Marks:1) **Vu-Topper RM**

The main purpose of inserting guard times in TDMA systems is to _____.

- A. account for propagation delays and ensure proper synchronization**
- B. compensate for variations in signal strength
- C. reduce the number of available time slots
- D. extend the duration of each time slot

Question No:76 (Marks:1) **Vu-Topper RM**

Primary purpose of adding redundant bits to transmitted data in error detection and correction is _____

- A. to reduce network congestion
- B. to increase data transmission speed
- C. to enhance data encryption
- D. to detect or correct errors**

Question No:77 (Marks:1) **Vu-Topper RM**

The term "single-bit error" refer to _____

- A. changing 1 bit of a data unit**
- B. changing multiple bits in a data unit
- C. interfering with the flow control process
- D. changing the shape of the signal

Question No:78 (Marks:1) **Vu-Topper RM**

_____ is NOT a common type of channelization.

- A. TDMA
- B. FDMA

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- C. FDMT
- D. CDMA

Question No:79

(Marks:1)

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What does RTS stand for in CSMA/CA?

- A. Reject till synch
- B. Report time system
- C. Request to send**
- D. Response to server

Question No:80

(Marks:1)

Vu-Topper RM

How does full-duplex communication impact collision domains in switched Ethernet networks?

- A. Increases collision domains
- B. Multiply collision domains
- C. Merges collision domains
- D. Decreases collision domains**

Question No:81

(Marks:1)

Vu-Topper RM

Minimum payload length in Ethernet Frame is _____.

- A. 45 bits
- B. 46 bytes**
- C. 1400 kilo bytes
- D. 67 mega bytes

Question No:82

(Marks:1)

Vu-Topper RM

Multi-mode technology has _____ main types for light propagation.

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

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Question No:83

(Marks:1)

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Data bit 1 in _____ represents +1

- A. PSK
- B. FDMA
- C. TDMA
- D. CDMA

Question No:84

(Marks:1)

Vu-Topper RM

What does the Reservation-Frame follow in the reservation method?

- A. IP packet
- B. Data frames from stations that made reservations
- C. Data frames from all stations
- D. An acknowledgement frame

Question No:85

(Marks:1)

Vu-Topper RM

CRC in Ethernet Frame stands for _____.

- A. Calling Redundancy check
- B. Cycle Revolution chip
- C. Cyclic Redundancy check
- D. Cyclic Readymade cache

Question No:86

(Marks:1)

Vu-Topper RM

Connection setup means using _____ channels in circuit switched network.

- A. Communication
- B. Dedicated
- C. Authenticated
- D. Satellite

Question No:87

(Marks:1)

Vu-Topper RM

The aim of Acknowledgments in CSMA/CA is

_____.

- A. confirming successful reception of data

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- B. initiating data transmission
- C. encrypting transmitted data
- D. assigning IP addresses to devices

Question No:88 (Marks:1) **Vu-Topper RM**
_____ is not a function of Data Link Control (DLC).

- A. Flow control
- B. Error control
- C. Framing
- D. Routing**

Question No:89 (Marks:1) **Vu-Topper RM**
The network address "47:20:1B:2E:08:EE" is _____ notation.

- A. Binary
- B. Decimal
- C. Hexadecimal**
- D. Octal

Question No:90 (Marks:1) **Vu-Topper RM**
What is the role of primary device in Polling is?

- A. Controls the data flow**
- B. Acts as a secondary device
- C. Operates only during peak hours
- D. Acts as a passive observer

Question No:91 (Marks:1) **Vu-Topper RM**
A twisted pair cable consists of _____ conductors.

Two

Question No:92 (Marks:1) **Vu-Topper RM**
_____ is the scope of VCI variable in virtual circuit approach.

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

Question No:93 (Marks:1) **Vu-Topper RM**
Packet Switching operates on _____ layer.

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

Question No:94 (Marks:1) **Vu-Topper RM**
In _____ systems, resources are allocated on demand.

- A. Packet switching**
- B. Line switching
- C. Circuit switching
- D. Frequency switching

Question No:95 (Marks:1) **Vu-Topper RM**
Among the following cables given below, _____ cable has the highest cost as compared to others.

- A. Coaxial cable
- B. Fiber optical**
- C. UTP
- D. STP

Question No:96 (Marks:1) **Vu-Topper RM**
Cable TV uses the _____ category of coaxial cable.

- A. RG-47
- B. RG-58
- C. RG-11**
- D. RG-59

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Question No:97 (Marks:1) **Vu-Topper RM**
The material used for conduction in twisted pair cable is _____.
Copper

Question No:98 (Marks:1) **Vu-Topper RM**
Paging System in data communication uses _____ waves.
Radio waves

Question No:99 (Marks:1) **Vu-Topper RM**
In a circuit switched network, the link between the switches is segregated into ____ number of channels.
N

Question No:100 (Marks:1) **Vu-Topper RM**
Parabolic antenna is used for _____ communication.
A. Infrared waves
B. Radio waves
C. Microwave
D. Light wave

Question No:101 (Marks:1) **Vu-Topper RM**
In datagram network, each data packet contains its _____.
A. id
B. number
C. address
D. name

Question No:102 (Marks:1) **Vu-Topper RM**
The fiber optic cable of type 7/125 is of _____ mode.
A. Single mode, graded index
B. Multimode, step index
C. Multimode, graded index

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D. Single mode, step index

Question No:103

(Marks:1)

Vu-Topper RM

Virtual Circuit Identifier is the _____ of packet.

- A. Address
- B. Header**
- C. Length
- D. size

Question No:104

(Marks:1)

Vu-Topper RM

Which one of the following is not among the required phases for the actual communication in a circuit-switched network?

- A. Protocol**
- B. Connection teardown
- C. Data transfer
- D. Setup

Question No:105

(Marks:1)

Vu-Topper RM

When certain obstacles block the cellular towers to communicate, _____ are required for long distance communication.

- A. Switches
- B. Routers
- C. Servers
- D. Repeaters**

Question No:106

(Marks:1)

Vu-Topper RM

The size of the packet is determined by the network and _____.

- A. Governing Protocol**
- B. Delays
- C. Switching Type
- D. Instructions

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Question No:107

(Marks:1)

Vu-Topper RM

Ships use _____ communication bands of frequency.

- A. 3-30 THz
- B. 3-30 kHz
- C. 3-30 MHz**
- D. 3-30 GHz

Question No:108

(Marks:1)

Vu-Topper RM

_____ are used for multicast communications, such as radio and television.

Radio waves

Question No:109

(Marks:1)

Vu-Topper RM

Cable TV networks use _____ cables.

- A. Twisted pair
- B. Coaxial**
- C. STP
- D. UTP

Question No:110

(Marks:1)

Vu-Topper RM

Switching at the _____ layer in the traditional telephone network uses the circuit-switching approach.

- A. Session Layer
- B. Network Layer
- C. Physical Layer**
- D. Data Layer

Question No:111

(Marks:1)

Vu-Topper RM

In optical fiber a glass or plastic core is surrounded by a _____.

- A. Outer conductor shield
- B. Insulator
- C. Cladding**
- D. Inner Conductor shield

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Question No:112

(Marks:1)

Vu-Topper RM

Switching in Datagram is normally done at _____.

A. Network Layer

B. Transport Layer

C. Physical Layer

D. Session Layer

Question No:113

(Marks:1)

Vu-Topper RM

Entire band in United States is regulated by _____ authorities.

A. NAFA

B. FCC

C. ITU

D. ANSI

Question No:114

(Marks:1)

Vu-Topper RM

_____ has less electromagnetic interference as compared to other guided medium.

A. Shielded Twisted Pair

B. Fiber Optic

C. Coaxial

D. Unshielded Twisted Pair

Question No:115

(Marks:1)

Vu-Topper RM

In cross bar switch, the cross points can be calculated by _____ inputs and outputs.

A. Adding

B. Subtracting

C. Dividing

D. Multiplying

Question No:116

(Marks:1)

Vu-Topper RM

Datagram approach and virtual circuit approach are two popular approaches which lead us to _____.

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- A. Line switching
- B. Packet switching
- C. Circuit switching**
- D. Dynamic switching

Question No:117

(Marks:1)

Vu-Topper RM

Microwaves are _____.

Unidirectional

Question No:118

(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:119

(Marks:1)

Vu-Topper RM

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

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

Question No:120

(Marks:1)

Vu-Topper RM

The most common type of connector used by coaxial cable is _____.

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

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Question No:121

(Marks:1)

Vu-Topper RM

_____ category of coaxial cable is used for thin Ethernet.

A. RG-58

B. RG-59

C. RG-1

D. RG-47

Question No:122

(Marks:1)

Vu-Topper RM

Data Link layer provides services to the _____ layer.

A. Network

B. Transport

C. Session

D. Application

Question No:123

(Marks:1)

Vu-Topper RM

In Ethernet, the source address field in the MAC frame is the _____ address.

A. Sender's logical

B. Sender's service port

C. Next destination's physical

D. Previous station physical

Question No:124

(Marks:1)

Vu-Topper RM

SONET stands for _____ .

A. stream optical network

B. shell operational network

C. Synchronous optical network

D. synchronous operational network

Question No:125

(Marks:1)

Vu-Topper RM

In Hexadecimal notation of Ethernet address, each byte is separated by _____ symbol.

A. Hash

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B. Colon

C. Underscore

D. Question Mark

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: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

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

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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

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.

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- 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

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

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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 _____.

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

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Question No:142

(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

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**
- 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

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:146

(Marks:1)

Vu-Topper RM

The logical connection between the peer layers is _____ connection.

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- 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

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**

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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

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

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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

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.

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

Question No:160 (Marks:1) **Vu-Topper RM**
Radio wave transmission utilizes _____ different types of propagation.

- 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

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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

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

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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
- 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

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- 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
- 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

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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

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**

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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

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

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- 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
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

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Question No:190

(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:191

(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:192

(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

Question No:193

(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

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Question No:194

(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:195

(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:196

(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

Question No:197

(Marks:1)

Vu-Topper RM

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

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Question No:198

(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:199

(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:200

(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**

Question No:201

(Marks:1)

Vu-Topper RM

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:202

(Marks:1)

Vu-Topper RM

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

A. OR

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

Question No:203

(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:204

(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**

Question No:205

(Marks:1)

Vu-Topper RM

_____ is responsible for governing node to node communication.

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

Question No:206

(Marks:1)

Vu-Topper RM

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

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

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D. Broadcast

Question No:207

(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:208

(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:209

(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:210

(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:211

(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:212

(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:213

(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:214

(Marks:1)

Vu-Topper RM

Analog signals are referring to be _____

- A. Discrete
- B. Periodic
- C. Continuous**
- D. None of these

Question No:215

(Marks:1)

Vu-Topper RM

There are _____ types of serial transmission.

- A. 3
- B. 4

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C.2

D. None of the given

Question No:216

(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:217

(Marks:1)

Vu-Topper RM

_____ is the rate of change with respect to time.

- A. Voltage
- B. Time
- C. Frequency
- D. Amplitude**

Question No:218

(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

Question No:219

(Marks:1)

Vu-Topper RM

_____ relatively measures the strength of two signals.

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

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Question No:220

(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:221

(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:222

(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**

Question No:223

(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:224

(Marks:1)

Vu-Topper RM

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

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Two-dimensional Parity check.

- A. CRC
- B. Checksum
- C. None of these
- D. Simple Parity Check**

Question No:225

(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:226

(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

Question No:227

(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:228

(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

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D. NRA-L

Question No:229

(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:230

(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:231

(Marks:1)

Vu-Topper RM

In ASK, both _____ and _____ remain constant.

- A. Amplitude, phase
- B. Frequency, Phase**
- C. Amplitude, Samples
- D. Amplitude, Frequency

Question No:232

(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)

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Question No:233

(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:234

(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
- D. Both PSK & QAM

Question No:235

(Marks:1)

Vu-Topper RM

There are _____ types of guided media.

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

Question No:236

(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:237

(Marks:1)

Vu-Topper RM

Sampling means measuring _____ of signal at equal intervals

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A. Amplitudes

B. Frequencies

C. Phases

D. None of these

Question No:238

(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

Question No:239

(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:240

(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:241

(Marks:1)

Vu-Topper RM

_____ category of coaxial cable is used for Cable TV.

A. RG-58

B. RG-59

C. RG-11

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D. RG-57

Question No:242

(Marks:1)

Vu-Topper RM

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

True

False

Question No:243

(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:244

(Marks:1)

Vu-Topper RM

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

True

False

Question No:245

(Marks:1)

Vu-Topper RM

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

Session Layer

Transport Layer

Question No:246

(Marks:1)

Vu-Topper RM

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

True

False

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Question No:247

(Marks:1)

Vu-Topper RM

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

Yes

No

Question No:248

(Marks:1)

Vu-Topper RM

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

$B=(1+d)S$

$B=(1*d)S$

Question No:249

(Marks:1)

Vu-Topper RM

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

True

False

Question No:250

(Marks:1)

Vu-Topper RM

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

Serial data transmission

Question No:251

(Marks:1)

Vu-Topper RM

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

burst error

Question No:252

(Marks:1)

Vu-Topper RM

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

FDM

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Question No:253

(Marks:1)

Vu-Topper RM

PSK is susceptible to the noise degradation.

True

False

Question No:254

(Marks:1)

Vu-Topper RM

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

NIC

Question No:255

(Marks:1)

Vu-Topper RM

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

Multicast

Question No:256

(Marks:1)

Vu-Topper RM

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

Bit-oriented

Question No:257

(Marks:1)

Vu-Topper RM

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

The interframe space

Question No:258

(Marks:1)

Vu-Topper RM

_____uses fiber-optic cable

10base-F

Question No:259

(Marks:1)

Vu-Topper RM

Mac address is of _____

48 bits

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Question No:260

(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:261

(Marks:1)

Vu-Topper RM

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

XOR

Question No:262

(Marks:1)

Vu-Topper RM

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

Standard Ethernet

Question No:263

(Marks:1)

Vu-Topper RM

POTS stand for _____?

Plain old telephone system

Question No:264

(Marks:1)

Vu-Topper RM

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

Unicast, multicast, broadcast

Question No:265

(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:266

(Marks:1)

Vu-Topper RM

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

Redundancy in data

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Question No:267

(Marks:1)

Vu-Topper RM

In telephone, network POP stands for

Point-of presence

Question No:268

(Marks:1)

Vu-Topper RM

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

Standard Ethernet

Question No:269

(Marks:1)

Vu-Topper RM

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

Two times

Question No:270

(Marks:1)

Vu-Topper RM

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

Standard ethernet

Question No:271

(Marks:1)

Vu-Topper RM

Which of the following is a correct controlled access method?

All options

Question No:272

(Marks:1)

Vu-Topper RM

In telephone, network POP stands for _____.

Point of presence

Question No:273

(Marks:1)

Vu-Topper RM

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

Redundancy data rate

Question No:274

(Marks:1)

Vu-Topper RM

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

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Error Detection and Correction

Question No:275

(Marks:1)

Vu-Topper RM

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

True

False

Question No:276

(Marks:1)

Vu-Topper RM

The level of signal is always positive in NRZ encoding.

True

False

Question No:277

(Marks:1)

Vu-Topper RM

Session layer is responsible for _____.

Reassembly of data

Maintaining the connection

Question No:278

(Marks:1)

Vu-Topper RM

The Internet is-----.

A global network of computers networks

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