

# CS-601 Data Communication Update MCQS For Quiz-2 File Solve By Vu Topper RM

85% To 100% Marks



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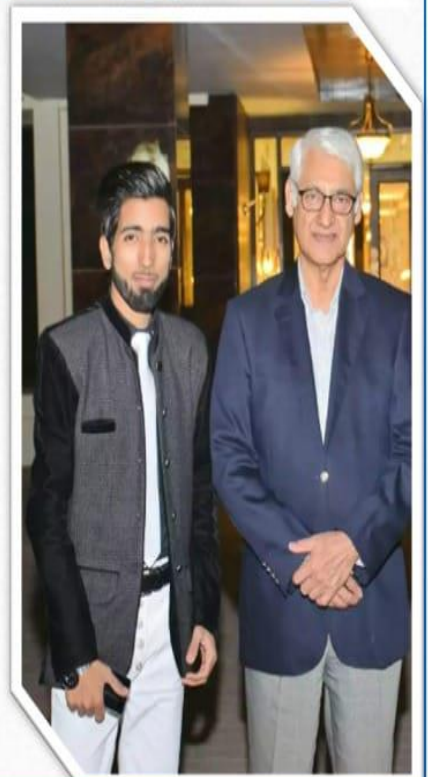
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Which multiplexing technique involves signals composed of light beams?

- A. TDM
- B. WDM**
- C. FDM
- D. PDM

While implementing Binary ASK or On-Off Keying (OOK), the binary number 1 is used for -----.

- A. binary stream of 1s
- B. Numbers of 1s in data
- C. No amplitude
- D. Maintaining the amplitude**

In frequency shift keying, \_\_\_\_\_ remain(s) constant.

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

Both ----- remain constant in Frequency Shift Keying.

- A. frequency and amplitude
- B. bit rate and phase
- C. phase and baud rate**      **ok**
- D. amplitude and phase

\_\_\_\_\_ technique does not follow analog to analog conversion.

- A. PM
- B. AM
- C. FM
- D. QAM**

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

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

In the analog transmission of digital data, the baud rate is \_\_\_\_\_ to the bit rate.

- A. less than or equal**
- B. greater than
- C. less than
- D. greater than or equal

PSK is \_\_\_\_\_ susceptible to noise as compared to ASK.

- A. Equally
- B. More
- C. Highly
- D. Less**

Technique that allows the simultaneous transmission of multiple signals across a single data link, is known as \_\_\_\_\_.

- A. Encryption
- B. Multiplexing**
- C. Compressing
- D. Demodulating

Television broadcast where user can only view the information sent in the form of video is an example of \_\_\_\_\_ communication.

- A. Simplex**
- B. Complex

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- C. Full duplex
- D. Half duplex

\_\_\_\_\_ is Shannon capacity formula to determine highest theoretically data rate for a noisy channel.

$$\text{Capacity} = \text{Bandwidth} * \log_2(1 + \text{SNR})$$

Two stations are connected via a secure link in which messages are encrypted from source to the destination. This encrypted message is called \_\_\_\_\_ .

- A. Message
- B. Protocol**
- C. Plain text
- D. Cipher text

Taking off the header from the message is called \_\_\_\_\_ .

- A. Stuffing
- B. Layering
- C. Encryption**
- D. Decapsulation

\_\_\_\_\_ is the range of frequencies contained in a composite signal.

- A. Noise
- B. Phase
- C. Amplitude
- D. Bandwidth**

\_\_\_\_\_ is the data format used at Transport layer of TCP/IP Protocol suite.

- A. packet
- B. segment**

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- C. bit
- D. frame

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

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

In a complex network communication, we need a protocol at each layer, this process is called \_\_\_\_\_.

- A. Topology
- B. Encryption
- C. Protocol Layering**

**Question No:1**

**(Marks:1)**

**Vu-Topper RM**

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

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

**Question No:2**

**(Marks:1)**

**Vu-Topper RM**

Quadrature Amplitude Modulation is the mechanism of \_\_\_\_\_ conversion.

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

**Question No:3**

**(Marks:1)**

**Vu-Topper RM**

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\_\_\_have established standards for using these signals for communication between devices such as keyboards, mice, PCs, and printers.

- A. Microwaves
- B. Radio waves
- C. Simple waves
- D. Infrared waves**

**Question No:4** (Marks:1)

**Vu-Topper RM**

WDM stands for \_\_\_\_\_.

- A. Worst Data Manipulation
- B. Wideband De-Modulation
- C. Wideband Division Multiplexing
- D. Wavelength Division Multiplexing**

ok

**Question No:5** (Marks:1)

**Vu-Topper RM**

Voltage controlled oscillator(VCO) generates \_\_\_\_\_ .

- A. Carrier Signals
- B. Periodic signals**
- C. Signal elements
- D. Composite Signals

Google ok

**Question No:6** (Marks:1)

**Vu-Topper RM**

A virtual-circuit network operates on \_\_\_\_\_ layer.

- A. Network**
- B. Physical
- C. Datalink
- D. Application

Google

**Question No:7** (Marks:1)

**Vu-Topper RM**

Top most organization that provides support for the Internet Standard process is called\_\_\_\_\_.

- A. Internet Society (ISOC)
- B. Internet Architecture Board (IAB)

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**C. IETF**

D. IRTF

**Question No:8**

**(Marks:1)**

**Vu-Topper RM**

In pulse code modulation the term sampling can also be referred as \_\_\_\_\_.

**A. Pulse Amplitude Modulation**

B. Pulse sample Modulation

C. Pulse line modulation

D. Pulse Frequency Modulation

**Question No:9**

**(Marks:1)**

**Vu-Topper RM**

Unit of phase is \_\_\_\_\_.

A. Watts

B. Bauds

**C. Degree**

D. Bits per second

**Question No:10**

**(Marks:1)**

**Vu-Topper RM**

Entire band in United States is regulated by \_\_\_\_\_ authorities.

A. ITU

**B. FCC**

C. ANSI

D. NASA

**Question No:11**

**(Marks:1)**

**Vu-Topper RM**

In TDM based digital hierarchy used by the Telephone companies, DS-0 is a single digital channel of

**A. 64 kbps**

B. 32 kbps

C. 128 kbps

D. 1.544 Mbps

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**Question No:12**

**(Marks:1)**

**Vu-Topper RM**

Radio waves are propagated in \_\_\_\_\_ whenever they are transmitted by an antenna.

**A. All direction**

B. Left direction

C. Right direction

D. Only up and down direction

**Question No:13**

**(Marks:1)**

**Vu-Topper RM**

A switched network consists of a series of interlinked \_\_\_\_\_ called switches.

A. Root

**B. Nodes** **Google**

C. Points

D. System

**Question No:14**

**(Marks:1)**

**Vu-Topper RM**

In circuit switched networks we have low efficiency but minimal \_\_\_\_\_.

**A. Delay**

B. Error

C. Speed

D. Throughput

**Question No:15**

**(Marks:1)**

**Vu-Topper RM**

In transmission impairments \_\_\_\_\_ noise occurs from the random motion of electrons in a wire.

**A. Thermal noise**

B. Impulse noise

C. Cross talk

D. Induced noise

**Question No:16**

**(Marks:1)**

**Vu-Topper RM**

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In Amplitude Shift Keying, \_\_\_\_\_ of the signal is /are changed.

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

**Question No:17** (Marks:1) **Vu-Topper RM**

A twisted pair cable consists of \_\_\_\_\_ conductors.

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

**Question No:18** (Marks:1) **Vu-Topper RM**

We quantize the sampling output into certain levels based on range of \_\_\_\_\_ and required accuracy.

- A. Frequency
- B. Amplitude**
- C. Time period
- D. None

**Question No:19** (Marks:1) **Vu-Topper RM**

In star based network comprising of four computers and one switch, total number of cables needed will be \_\_\_\_\_.

- A. 1
- B. 2
- C. 3
- D. 4**

**Question No:20** (Marks:1) **Vu-Topper RM**

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

- A. Amplitude
- B. Segmentation ok**

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- C. Phase
- D. Frequency

**Question No:21**

**(Marks:1)**

**Vu-Topper RM**

In a computer network, five stations are connected to each other in such a way that each station is connected to every other station through dedicated links. This makes \_\_\_\_\_ topology.

- A. Bus
- B. Ring
- C. Star
- D. Mesh**

**Question No:22**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ can be published using Request for Comments (RFCs).

- A. Proposed Standard
- B. Draft Standard
- C. Internet Draft**
- D. Internet Standard

**Question No:23**

**(Marks:1)**

**Vu-Topper RM**

In serial data transmission \_\_\_\_\_ data transmission mode can be cheap but slower.

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

**Question No:24**

**(Marks:1)**

**Vu-Topper RM**

QPSK stands for \_\_\_\_\_.

- A. Quality phase shift key
  - B. Queuing phase shift key
  - C. Quadrature phase shift key**
- ok**

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D. Quality physical shift key

**Question No:25**

**(Marks:1)**

**Vu-Topper RM**

In \_\_\_\_\_, the instantaneous change in the carrier frequency is proportional to the derivative of the amplitude of the modulating signal.

A. Phase modulation

**B. Frequency modulation**

C. Amplitude modulation

D. Quadrature modulation

**Question No:26**

**(Marks:1)**

**Vu-Topper RM**

In FSK, Baud rate is less than or equal to \_\_\_\_\_ rate.

**A. Bit ok**

B. Byte

C. Signal

D. Decibel

**Question No:27**

**(Marks:1)**

**Vu-Topper RM**

Bi-polar uses \_\_\_\_\_ voltage levels.

A. One

**B. Two**

C. Three

D. Four

**Question No:28**

**(Marks:1)**

**Vu-Topper RM**

Low pass channel has \_\_\_\_\_ bandwidth between two stations.

A. Dedicated

**B. Shared**

C. Multiplexed

D. Infinite

**Question No:29**

**(Marks:1)**

**Vu-Topper RM**

Them on the transmission medium.

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

**Question No:30** (Marks:1) **Vu-Topper RM**  
Block coding scheme contains \_\_\_\_\_ number of steps.

- A. 3**
- B. 4
- C. 5
- D. 6

**Question No:31** (Marks:1) **Vu-Topper RM**  
BFSK stands for \_\_\_\_\_.

- A. Baud Frequency Shift Key
- B. Binary Frequency Shift Key** ok
- C. Barrier Frequency Shift Key
- D. Bridge Frequency Shift Key

**Question No:32** (Marks:1) **Vu-Topper RM**  
According to the Fourier analysis, frequencies obtained after decomposition of digital signals are \_\_\_\_\_.

- A. Continuous
- B. Discrete**
- C. Bit length
- D. Homogeneous

**Question No:33** (Marks:1) **Vu-Topper RM**  
Suppose a signal is amplified then the value of decibel will be \_\_\_\_\_.

- A. 0
- B. 1
- C. Negative
- D. Positive**

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**Question No:34**

**(Marks:1)**

**Vu-Topper RM**

In frequency domain plot, which value is replaced with frequency?

**A. Wavelength**

B. Amplitude

C. Phase

D. Time

**Question No:35**

**(Marks:1)**

**Vu-Topper RM**

We can have \_\_\_\_\_ different groups with a 4 bit block.

A. 4

B. 6

C. 7

**D. 8**

**Question No:36**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ means loss of energy in signal.

A. Noise

B. Delay

**C. Attenuation**

D. Distortion

**Question No:37**

**(Marks:1)**

**Vu-Topper RM**

Uni polar, polar and bipolar are the types of \_\_\_\_\_

A. Line

B. Differential Manchester

**C. NRZ-I**

D. Block

**Question No:38**

**(Marks:1)**

**Vu-Topper RM**

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If a digital transmission system is sending five bits in every half a second, the bit-rate of the system.

- A. 5 bps**
- B. 10 Hz
- C. 50 bps
- D. 0.2 bps

**Question No:39** (Marks:1) **Vu-Topper RM**

\_\_\_\_\_ signal completes certain pattern in a specific amount of time.

- A. Non-periodic
- B. Periodic**
- C. A Periodic
- D. Wavelength

**Question No:40** (Marks:1) **Vu-Topper RM**

To calculate the data rate for noisy channel \_\_\_\_\_ formula is used.

- A. Shannon
- B. Nyquist bit rate**
- C. Propagation
- D. Greedy

**Question No:41** (Marks:1) **Vu-Topper RM**

\_\_\_\_\_ mode of serial transmission guarantees fixed rate data.

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

**Question No:42** (Marks:1) **Vu-Topper RM**

In TCP\IP model, the Physical Layer exchanges data in the form of \_\_\_\_.

- A. Packets
- B. Frames
- C. Bits**

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D. Segments

**Question No:43**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ signal is represented by the discrete values.

- A. Analog
- B. Digital**
- C. Both
- D. Continuous

**Question No:44**

**(Marks:1)**

**Vu-Topper RM**

A common Bipolar encoding scheme is called \_\_\_\_\_.

- A. AMI**
- B. NRZ
- C. RZ
- D. QAM

**Question No:45**

**(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:46**

**(Marks:1)**

**Vu-Topper RM**

Two PCs and one printer are connected in a network within a room; it is an example of \_\_\_\_\_.

- A. LAN**
- B. WAN
- C. MAN
- D. ALN

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**Question No:47**

**(Marks:1)**

**Vu-Topper RM**

In analog transmission of digital data, the required bandwidth is always proportional to the signal rate except in \_\_\_\_\_, a digital to analog conversion technique.

- A. ASK**      **ok**
- B. NSK
- C. FSK
- D. PSK

**Question No:48**

**(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:49**

**(Marks:1)**

**Vu-Topper RM**

In an analogue hierarchy to carry voice channels, a super group has \_\_\_\_\_ bandwidth.

- A. 60kHz**      **ok**
- B. 240 Hz
- C. 240 kHz
- D. 120 kHz

**Question No:50**

**(Marks:1)**

**Vu-Topper RM**

Narrow bands of light in wave division multiplexing are denoted by \_\_\_\_\_.

- A.  $\alpha$
- B.  $\beta$
- C.  $\lambda$**       **ok**
- D.  $\pi$

**Question No:51**

**(Marks:1)**

**Vu-Topper RM**

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Which digital multiplexing technology is use to allow several connections to share the high bandwidth of a l

- A. TDM**
- B. FDM
- C. ADM
- D. WDM

**Question No:52** (Marks:1) **Vu-Topper RM**

In optical fiber cable, the ratio of the diameter of their core to the diameter of their cladding, both expressed in \_\_\_\_\_.

- A. Meters
- B. Millimeters
- C. Centimeters
- D. Micrometers**

**Question No:53** (Marks:1) **Vu-Topper RM**

Wireless transmission can be divided into \_\_\_\_\_ broad groups.

- A. One
- B. Two
- C. Three**
- D. None of these

**Question No:54** (Marks:1) **Vu-Topper RM**

\_\_\_\_\_ is the sub type of Time Division Multiplexing Technique.

- A. Light TDM
- B. Barrier TDM
- C. Statistical TDM** ok
- D. Amplitude TDM

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

Simultaneous transmission of multiple signals across a single data link is called \_\_\_\_\_.

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**A. Multiplexing** ok

B. Demultiplexing

C. Modulation

D. Demodulation

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

Cellular telephone uses \_\_\_\_\_ waves for communication.

**A. Radio waves**

B. light wave

C. infrared waves

D. microwaves

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

Time division multiplexing is used in \_\_\_\_\_ systems.

**A. Digital** Google

B. Analog

C. Hybrid

D. Automated

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

A telephone line analog signal has got the bandwidth of \_\_\_\_\_.

A. 8kHz

**B. 4kHz** ok

C. 16kHz

D. 12kHz

**Question No:59** (Marks:1) **Vu-Topper RM**

In \_\_\_\_\_, modulation process is used by the transmitting devices to shift their data to a specific carrier frequency for multiplexing.

**A. FDM** ok

B. ADM

C. DAM

D. SDM

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**Question No:60**

**(Marks:1)**

**Vu-Topper RM**

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

**A. Light**

B. Waves

C. Sound

D. None of the given

**Question No:61**

**(Marks:1)**

**Vu-Topper RM**

If the message is going to pass through a packet-switched network, it can be divided into packets of \_\_\_\_.

A. Fixed size

B. Variable size

**C. Both fix and variable size**

D. None of the these

**Question No:62**

**(Marks:1)**

**Vu-Topper RM**

Paging System in data communication uses \_\_\_\_\_ waves.

**A. Radio waves**

B. light wave

C. infrared waves

D. microwaves

**Question No:63**

**(Marks:1)**

**Vu-Topper RM**

According to stats, fewer than \_\_\_\_\_ crossbar points can be used at once.

A. 14%

**B. 25%**

C. 30%

D. 100%

**Question No:64**

**(Marks:1)**

**Vu-Topper RM**

Virtual Circuit Identifier is the \_\_\_\_\_ of packet.

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

**Question No:65**

**(Marks:1)**

**Vu-Topper RM**

In unidirectional antenna, the common point where all the lines intersect each other is \_\_\_\_.

- A. Axis
- B. Focus**
- C. Origin
- D. Center

**Question No:66**

**(Marks:1)**

**Vu-Topper RM**

The size of the packet is determined by the network and \_\_\_\_\_.

- A. Governing Protocol**
- B. Instructions
- C. Switching time
- D. Delay

**Question No:67**

**(Marks:1)**

**Vu-Topper RM**

In virtual circuit approach when a frame enters a switch and when it leaves the circuit then its VCI \_\_\_\_

- A. Remain same
- B. Sometimes changes
- C. Remain the same**
- D. Always changes

**Question No:68**

**(Marks:1)**

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In \_\_\_\_\_ TDM, slots are dynamically allocated to the connected stations to improve bandwidth efficiency.

- A. Statistical
- B. Isochronous
- C. Synchronous**      **ok**
- D. None of the given

**Question No:69**      **(Marks:1)**      **Vu-Topper RM**

In synchronous \_\_\_\_\_, the data flow of each input connection is divided into units, where each input occupies one input time slot.

- A. FDM
- B. TDM**      **Google**
- C. WDM
- D. DWDM

**Question No:70**      **(Marks:1)**      **Vu-Topper RM**

When the bandwidth of a link is greater than the combined bandwidths of the signals, we use \_\_\_\_\_ multiplexing.

- A. Frequency division**      **ok**
- B. Time division
- C. Hybrid division
- D. Wavelength division

**Question No:71**      **(Marks:1)**      **Vu-Topper RM**

Routing is a function of \_\_\_\_\_ layer.

- A. Network**
- B. Physical
- C. Transport
- D. Datalink

**Question No:72**      **(Marks:1)**      **Vu-Topper RM**

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\_\_\_\_\_ is the process of converting binary data to a digital signal.

- A. QAM
- B. ASK
- C. FSK

**D. Line coding**

**Question No:73**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ signals can take infinite levels of intensity over time.

- A. Digital
- B. Discrete
- C. Analog**
- D. Logical

**Question No:74**

**(Marks:1)**

**Vu-Topper RM**

During transmission, \_\_\_\_\_ is the effect of one wire on the other.

- A. Crosstalk**
- B. Induced noise
- C. Thermal noise
- D. Thermal noise

**Question No:75**

**(Marks:1)**

**Vu-Topper RM**

Latency is made of-----components.

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

**Question No:76**

**(Marks:1)**

**Vu-Topper RM**

If a digital signal has four levels, then we need \_\_\_\_\_ bits to represent each level.

- A. 2**
- B. 4

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- C. 6
- D. 8

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

\_\_\_\_\_ is a digital process that allows connections to share the high bandwidth of a link.

- A. TDM**
- B. FDM
- C. ADM
- D. WDM

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

Transmission medium are of \_\_\_\_\_ types.

- A. One
- B. Two**
- C. Six
- D. Five

**Question No:79** (Marks:1) **Vu-Topper RM**

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

- A. Radio waves**
- B. light wave
- C. infrared waves
- D. microwaves

**Question No:80** (Marks:1) **Vu-Topper RM**

We can have combination of \_\_\_\_\_ possible codes with a 5-bit code.

- A. 30
- B. 32**
- C. 34
- D. 36

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**Question No:81**

**(Marks:1)**

**Vu-Topper RM**

When two people are talking to each other in a room then transmission medium between them is:

- A. Air**
- B. Cable
- C. Wireless medium
- D. No medium required

**Question No:82**

**(Marks:1)**

**Vu-Topper RM**

Manchester encoding scheme achieves the same level of synchronization as\_\_\_\_\_.

- A. ARZ
- B. RZ**
- C. ARZ1
- D. IMP

**Question No:83**

**(Marks:1)**

**Vu-Topper RM**

Coaxial cables are categorized by their\_\_\_\_\_ ratings.

- A. Radio Government (RG)**
- B. Frequency modulation (FM)
- C. Amplitude modulation (AM)
- D. Electronic Industries Association (EIA)

**Question No:84**

**(Marks:1)**

**Vu-Topper RM**

Microwaves are\_\_\_\_\_.

- A. Bi directional
- B. Unidirectional**
- C. Multi directional
- D. Omni directional

**Question No:85**

**(Marks:1)**

**Vu-Topper RM**

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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:86**

**(Marks:1)**

**Vu-Topper RM**

In \_\_\_\_\_ multiplexing technique, guard bands are used to avoid overlapping of frequency bands assigned to each user.

**A. FDM**      **Google**      **ok**

B. TDM

C. PDM

D. CSMA

**Question No:87**

**(Marks:1)**

**Vu-Topper RM**

In \_\_\_\_\_ TDM, each input connection has an allotment in the output even if it is not sending data.

A. Statistical

B. Isochronous

**C. Synchronous**      **Google**      **ok**

D. Asynchronous

**Question No:88**

**(Marks:1)**

**Vu-Topper RM**

Cable TV uses the \_\_\_\_\_ category of coaxial cable.

A. RG-47

B. RG-58

**C. RG-59**

D. RG-11

**Question No:89**

**(Marks:1)**

**Vu-Topper RM**

Connection setup means using \_\_\_\_\_ channels in circuit switched network.?

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**A. Satellite**

B. Both

C. Communication

D. None of the these

**Question No:90**

**(Marks:1)**

**Vu-Topper RM**

Modulation of analog signal is needed if the medium is \_\_\_\_\_ in nature.

A. Bi-pass

B. Low-pass

**C. Bandpass**

D. High-pass

**Question No:91**

**(Marks:1)**

**Vu-Topper RM**

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

A. PSK, FSK

**B. FSK, PSK**

ok

C. ASK, FSK.

D. ASK, PSK

**Question No:92**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ is the scope of VCI variable in virtual circuit approach.

**A. Local**

B. Global

C. Both

D. None of these

**Question No:93**

**(Marks:1)**

**Vu-Topper RM**

$N=Sx_r$  is the formula for finding \_\_\_\_\_ .?

A. Bit rate

**B. Baud rate**

Google

ok

C. Data element

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D. Signal element

**Question No:94**

**(Marks:1)**

**Vu-Topper RM**

In \_\_\_\_\_ TDM, a round of data units from each input connection is collected into a frame.

- A. Statistical
- B. Non-Periodic
- C. Synchronous**
- D. Asynchronous

**Question No:95**

**(Marks:1)**

**Vu-Topper RM**

VCI address is \_\_\_\_\_ address in virtual circuit approach.

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

**Question No:96**

**(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:97**

**(Marks:1)**

**Vu-Topper RM**

Electromagnetic waves ranging in frequencies between 1 and 300 GHz are called \_\_\_\_\_.

- A. Light wave
- B. Microwaves**
- C. Radio waves
- D. Infrared waves

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**Question No:98**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ has less electromagnetic interference as compared to other guided medium.

- A. Coaxial
- B. Fiber Optic
- C. Shielded Twisted Pair**
- D. Unshielded Twisted Pair

**Question No:99**

**(Marks:1)**

**Vu-Topper RM**

In an analogue hierarchy to carry voice channels, a group can carry \_\_\_\_\_ voice channels.

- A. 60
- B. 12**                      **ok**
- C. 10
- D. 20

**Question No:100**

**(Marks:1)**

**Vu-Topper RM**

In ASK correct formula for calculating the bandwidth is as \_\_\_\_\_.

- A.  $B=(1+d)S$**                       **ok**
- B.  $B=(1*d)S$
- C.  $B=(d-1)S$
- D.  $B=(d-5)S$

**Question No:101**

**(Marks:1)**

**Vu-Topper RM**

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

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

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**Question No:102**

**(Marks:1)**

**Vu-Topper RM**

In case of Frequency shift key, the difference between two frequencies is represented as\_\_\_\_\_.

**A.  $2 \Delta$  ok**

B.  $4 \Delta$

C.  $6 \Delta$

D.  $2X5 \Delta$

**Question No:103**

**(Marks:1)**

**Vu-Topper RM**

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

A. Line switching

B. Packet switching

**C. Circuit switching**

D. Dynamic switching

**Question No:104**

**(Marks:1)**

**Vu-Topper RM**

The minimum bandwidth required for QAM transmission is the same as that required for \_\_\_\_\_ and \_\_\_\_\_ transmission.

**A. ASK, PSK ok**

B. FSK, ASK

C. PSK, FSK

D. FSK, QPSK

**Question No:105**

**(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**

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**Question No:106**

**(Marks:1)**

**Vu-Topper RM**

RG-11 having impedance of 50 Ohm is used in \_\_\_\_\_ Ethernet.

**A. Thin**

B. Fast

C. Thick

D. None of these

**Question No:107**

**(Marks:1)**

**Vu-Topper RM**

Line coding scheme is roughly divide into \_\_\_\_\_ broad categories.?

**A. Five**

B. One

C. Two

D. Zero

**Question No:108**

**(Marks:1)**

**Vu-Topper RM**

Normally the value of K max in pure ALOHA is \_\_\_\_\_.

**A. 15**

B. 14

C. 13

D. 12

**Question No:109**

**(Marks:1)**

**Vu-Topper RM**

YMODEM has \_\_\_\_\_ Byte of data unit.

**A. 1024**

B. 2410

C. 2210

D. 1042

**Question No:110**

**(Marks:1)**

**Vu-Topper RM**

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

**Equal to**

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**Question No:111** (Marks:1) **Vu-Topper RM**  
Which one of the following is not a Channelization Protocol?

**CSMA**

**Question No:112** (Marks:1) **Vu-Topper RM**  
\_\_\_\_\_ is an Authentication Protocol, which uses two-step process to authenticate user information.

**PAP**

**Question No:113** (Marks:1) **Vu-Topper RM**  
The transmission medium that carries the message is referred to as the \_\_\_\_\_.

**Communication channel**

**Question No:114** (Marks:1) **Vu-Topper RM**  
Which error detection method uses one's complement arithmetic

**Checksum**

**Question No:115** (Marks:1) **Vu-Topper RM**  
Like 10 Base 5, 10 Base 2 is a \_\_\_\_\_ topology LAN.

**Bus**

**Question No:116** (Marks:1) **Vu-Topper RM**  
There are \_\_\_\_\_ types of serial transmission

**2**

**Question No:117** (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

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D. Dependent, Independent

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

Bandwidth can be measured in \_\_\_\_\_.

**bits per second bps**

**Question No:119** (Marks:1) **Vu-Topper RM**

A variation of AMI encoding is called as \_\_\_\_\_.

Polar

Uni-code

Uni-polar

**Pseudoternary**

**Question No:120** (Marks:1) **Vu-Topper RM**

For a noiseless channel, theoretical formula to calculate the data rate was developed by \_\_\_\_\_.

A. Rivest

**B. Nyquist Google**

C. Shannon

D. Hamming

**Question No:121** (Marks:1) **Vu-Topper RM**

In \_\_\_ scheme the voltages are on both sides of the time axis and voltage level for 0 can be positive and the voltage level for 1

**Polar**

**Question No:122** (Marks:1) **Vu-Topper RM**

Polar encoding scheme uses \_\_\_\_\_ voltage level.

**2**

4

6

8

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**Question No:123** (Marks:1) **Vu-Topper RM**  
In a bidirectional communication each layer performs two \_\_\_\_ tasks in each direction.

**Opposite**

**Question No:124** (Marks:1) **Vu-Topper RM**  
In \_\_\_\_\_ Scheme, all the signal levels are on one side of the time axis, either above or below.

A. Polar

B. Bipolar

**C. Unipolar** **Google**

D. Multiplexed coding

**Question No:125** (Marks:1) **Vu-Topper RM**  
Manchester and differential Manchester encoding schemes are subtypes of \_\_\_\_\_ encoding scheme.

**Double**

**Question No:126** (Marks:1) **Vu-Topper RM**  
In \_\_\_\_\_ transmission medium start and stop bits are used

**Asynchronous**

**Question No:127** (Marks:1) **Vu-Topper RM**  
In Ring topology, each node has a point to point dedicated link with.

**Exactly 2 nodes**

**Question No:128** (Marks:1) **Vu-Topper RM**  
Simple sine wave can be used to send ----- .

**Amplitude**

**Question No:129** (Marks:1) **Vu-Topper RM**

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\_\_\_\_\_ layer converts frames coming from Data Link layer into bits and sends them on the transmission medium.

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

**Question No:130** (Marks:1) **Vu-Topper RM**

The maximum bandwidth required for QAM transmission is the same as that required for \_ and \_\_\_\_\_ transmission.

**ASK, PSK**

**Question No:131** (Marks:1) **Vu-Topper RM**

In \_\_\_\_\_ transmission mode(s), multiple bits are sent simultaneously.

Serial

**Parallel**

Sequential

In Serial and Parallel

**Question No:132** (Marks:1) **Vu-Topper RM**

Which of following technique(s) is used for Analog-to-Digital Conversion.

Bit Modulation(BDM)

Delta Modulation (DM)

**Pulse Code modulation (PCM)**

Both Pulse Code and Delta Modulation

**Question No:133** (Marks:1) **Vu-Topper RM**

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

**$N*(N-1)$**

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**Question No:134**

**(Marks:1)**

**Vu-Topper RM**

In \_\_\_\_\_ encoding scheme, the voltage level oscillates between a positive and a negative value although it may remain at zero level between the two values.

**A. Polar**

B. Bi-Polar

C. Uni-Polar

D. Non-Polar

**Question No:135**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ is the number of bits sent in 1 second.

A. Period

**B. Bit rate**

**Google**

C. Latency

D. Frequency

**Question No:136**

**(Marks:1)**

**Vu-Topper RM**

Wavelength binds the ----- of a simple sine wave to the propagation speed of the medium.

**Period of the frequency**

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**Question No:137**

**(Marks:1)**

**Vu-Topper RM**

The Full form of AMI encoding scheme is \_\_\_\_\_.

A. Alternate state inversion

**B. Alternate mark inversion**

C. Alternate multiple inversion

D. Alternate multilevel inversion

**Question No:138**

**(Marks:1)**

**Vu-Topper RM**

AMI is a popular \_\_\_\_\_ encoding method.

A. Polar

**B. Bi-polar**

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- C. Uni-polar
- D. Substitution

**Question No:139** (Marks:1) **Vu-Topper RM**

LF (Low Frequency) band is used in \_\_\_\_\_ propagation.

- A. Sky
- B. Ground**
- C. Single Mode
- D. Line of Sight

**Goolge**

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

Cable TV networks use \_\_\_\_\_ cables.

**Coaxial cables**

**Question No:141** (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:142** (Marks:1) **Vu-Topper RM**

In virtual Circuit network all packets follow \_\_\_\_\_ path.

- A. Dedicated**
- B. Individual
- C. Alternative
- D. Centralized

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

Among the following cables given below \_\_\_\_\_ cable has the cost as compared to others

**Medium**

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**Question No:144**

**(Marks:1)**

**Vu-Topper RM**

Among the following cables given below \_\_\_\_\_ cable has the lowest cost as compared to others.

**Coaxial cable**

**Question No:145**

**(Marks:1)**

**Vu-Topper RM**

Among the following cables given below, \_\_\_\_\_ cable provides highest bandwidth and less attenuation.

- A. UTP
- B. STP
- C. Coaxial cable

**D. Fiber optic cable**

**Question No:146**

**(Marks:1)**

**Vu-Topper RM**

Header size \_\_\_\_\_ while moving down the layers at sending side.

- A. Increases
- B. Decreases**
- C. Remain same
- D. Headers and layers are unrelated

**Question No:147**

**(Marks:1)**

**Vu-Topper RM**

Set of rules to be followed for effective network communication is called \_\_\_\_\_.

**Protocol**

Topology  
Switching  
Encryption

**Question No:148**

**(Marks:1)**

**Vu-Topper RM**

Datagram (packet) travels across \_\_\_\_\_ in a network.

- A. Hub

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- B. Modem
- C. Routers
- D. Switching**

**Question No:149** (Marks:1) **Vu-Topper RM**  
The bandwidth-delay product defines the number of bits that can fill the \_\_\_\_\_.

**Link**

**Question No:150** (Marks:1) **Vu-Topper RM**  
In Pulse Code Modulation (PCM), the sampling is dependent on \_\_\_\_\_.

Time

Frequency

**Amplitude**

Signal Rate

**Question No:151** (Marks:1) **Vu-Topper RM**  
Composite wave can be used to send \_\_\_\_\_.

**Frequency**

**Question No:152** (Marks:1) **Vu-Topper RM**  
\_\_\_\_\_ is normally used for long-distance data transfer.

**Both parallel and Serial data transmission**

**Question No:153** (Marks:1) **Vu-Topper RM**  
The conversion of \_\_\_\_\_ sample of the signal into \_\_\_\_\_ form is called quantizing process

**Sampling and quantizing**

**Question No:154** (Marks:1) **Vu-Topper RM**

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When data is sent or received using \_\_\_\_\_, the data bits are organized in a specific order, since they can only be sent or received one after another.

- A. Parallel data transmission
- B. Hybrid data transmission
- C. Serial data transmission**
- D. Both parallel and serial transmission

**Question No:155** (Marks:1) **Vu-Topper RM**

Multipoint channel can be shared in \_\_\_\_\_ manner.

**Both temporal and spartial.**

**Question No:156** (Marks:1) **Vu-Topper RM**

Communication between two users in a Cellular (Mobile) network is an example of \_\_\_\_\_ communication.

- Simplex
- Complex
- Half duplex
- Full duplex**

**Question No:157** (Marks:1) **Vu-Topper RM**

\_\_\_\_\_ is normally used where speed is priority in data transfer.

**Hybrid transmission**

**Question No:158** (Marks:1) **Vu-Topper RM**

Wiring used for transmission modes depends upon \_\_\_\_\_.

- A. Latency**
- B. Data Stream
- C. Data Sniffing
- D. Packet Tracing

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**Question No:159**

**(Marks:1)**

**Vu-Topper RM**

If a digital signal has “L” number of levels, \_\_\_\_\_ is the number of bits required to represent each level.

**Log base 2L**

**Question No:160**

**(Marks:1)**

**Vu-Topper RM**

In scrambling coding scheme, the number of pulses replacing the bits will be \_\_\_\_\_

**Equal to pulses**

**Question No:161**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ is a type of serial transmission in which data bits are transmitted as a continuous stream in time with a master clock. start bits, stop bits, and gaps are not used. Transmitter and receiver time is sync.

A. Isochronous

**B. Synchronous**

**Google**

C. Asynchronous

D. Metasochronous

**Question No:162**

**(Marks:1)**

**Vu-Topper RM**

TCP/IP was presented by \_\_\_\_\_ in a research paper.

**A. Vin Cerf and bob Kahn**

B. Vint Cerf and David Lazer

C. Bob Kahn and Kathleen Carley

D. Duncan Watts and Peter Bearman

**Question No:163**

**(Marks:1)**

**Vu-Topper RM**

HDB3 falls under which coding scheme?

**Bipolar**

**Question No:164**

**(Marks:1)**

**Vu-Topper RM**

A frequency is called -----, if the rate of change in sine wave is instantaneous.

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- A. Bandwidth
- B. Zero frequency
- C. Frequency hertz
- D. Infinite frequency**

**Question No:165** (Marks:1) **Vu-Topper RM**

The bipolar encoding scheme was developed as an alternative of \_\_\_\_\_.

**NRZ**

**Question No:166** (Marks:1) **Vu-Topper RM**

In \_\_\_\_\_ TCP/IP was declared as the official protocol of internet.

**1983**

1980

1973

1988

**Question No:167** (Marks:1) **Vu-Topper RM**

If 32 bits are sent in two seconds then bitrate for that signal is \_\_\_\_\_.

A. 8 Hz

**B. 16 bps**

C. 32 bps

D. 64bps

**Question No:168** (Marks:1) **Vu-Topper RM**

In \_\_\_\_\_ data moves faster and timing errors are less frequent because the transmitter and receiver time is synced.

**Synchronous**

**Question No:169** (Marks:1) **Vu-Topper RM**

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Some manufacturers provide a special port called the \_\_\_\_\_ port that allows a wireless keyboard to communicate with a PC.

- A. USB
- B. IRDA**
- C. Parallel
- D. Consol

**Question No:170**

**(Marks:1)**

**Vu-Topper RM**

There are \_\_\_\_\_ components of data communication system.

**5**

**Question No:171**

**(Marks:1)**

**Vu-Topper RM**

Which one of following is a scrambling coding technique?

- A. BZ8S
- B. B8ZS Google**
- C. B8SZ
- D. BOSZ

**Question No:172**

**(Marks:1)**

**Vu-Topper RM**

In NRZ-I the signal is inverted if \_\_\_\_\_ is encountered.

- A. 0
- B. 1**
- C. 00
- D. 11

**Question No:173**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ layer is responsible for creating datagrams.

**Network**

**Question No:174**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ is the Nyquist bit rate formula for noiseless channel.

$$\text{BitRate} = 2 * \text{Bandwidth} * L$$

$$\text{BitRate} = 2 * \text{Bandwidth} * \log_2$$

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BitRate = 3 \* Bandwidth \* log<sub>2</sub> L

**BitRate = 2 \* Bandwidth \* log<sub>2</sub> L**

**Question No:175**

**(Marks:1)**

**Vu-Topper RM**

Signals travel through fiber optic cable are in the form of \_\_\_\_\_.

- A. Bits
- B. Bytes
- C. Light ok**
- D. Electromagnetic wave

**Question No:176**

**(Marks:1)**

**Vu-Topper RM**

When data is sent using \_\_\_\_\_, multiple data bits are transmitted over multiple channels at the same time.

- A. Serial data transmission
- B. Hybrid data transmission
- C. Parallel data transmission**
- D. Both parallel and serial transmission

**Question No:177**

**(Marks:1)**

**Vu-Topper RM**

In Binary ASK, the peak amplitude of one signal level is 0 and the other is the same as the \_\_\_\_\_ of the carrier.

- A. Phase
- B. Amplitude ok**
- C. Frequency
- D. Modulation

**Question No:178**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ category of coaxial cable is used for thin Ethernet.

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

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**Question No:179**

**(Marks:1)**

**Vu-Topper RM**

Time taken by a periodic signal to complete one cycle is called \_\_\_\_.

**Period**

**Question No:180**

**(Marks:1)**

**Vu-Topper RM**

QAM stands for \_\_\_\_\_ .

- A. Quarter Altitude Modulator
- B. Quadrature Amplitude Modifier
- C. Quadrature Amplifier Modulation
- D. Quadrature Amplitude Modulation**

**Question No:181**

**(Marks:1)**

**Vu-Topper RM**

According to Nyquist theorem, the sampling rate must be at least \_\_\_\_\_ times the highest frequency contained in the signal.

- A. 2**      **Google**
- B. 4
- C. 6
- D. 8

**Question No:182**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ is an example of transmitter.

- Hub
- Server
- Modem**
- Work station

**Question No:183**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ is composed of thousands of interconnected networks expanded over large geographical area.

- A. The Internet
- B. Home Network
- C. Local area network WAN**
- D. Metropolitan Area Network

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**Question No:184**

**(Marks:1)**

**Vu-Topper RM**

In frequency domain plot, which value is plot on Y-axis?

Time

**Amplitude**

Frequency

Wavelength

**Question No:185**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ signal completes a certain pattern in a specific amount of time.

**Periodic**

**Question No:186**

**(Marks:1)**

**Vu-Topper RM**

The baud rate is \_\_\_\_\_ to the bit rate.

**Measure**

**Question No:187**

**(Marks:1)**

**Vu-Topper RM**

The material used for conduction in twisted pair cable is \_\_\_\_\_.

A. Gold

B. Silver

**C. Copper**

D. Aluminum

**Question No:188**

**(Marks:1)**

**Vu-Topper RM**

In \_\_\_\_\_ topology, each computer/station is attached to other through a central device.

**Star topology**

**Question No:189**

**(Marks:1)**

**Vu-Topper RM**

In frequency modulation, the frequency of the oscillator changes according to the \_\_\_\_\_.

**Input Voltage**

**Question No:190**

**(Marks:1)**

**Vu-Topper RM**

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\_\_\_\_\_ is the heart of block coding.

**Substitution** **Google**

**Question No:191** (Marks:1) **Vu-Topper RM**

In transmission impairments \_\_\_\_\_ noise occurs from other sources like motors and appliances etc.

Impulse

Thermal

**Induced**

Cross talk

**Question No:192** (Marks:1) **Vu-Topper RM**

Demultiplexer is a \_\_\_\_\_ device.

**One to many**

**Question No:193** (Marks:1) **Vu-Topper RM**

Low pass channel with \_\_\_\_\_ bandwidth is not real and is used for theoretical modeling

**Narrow**

**Question No:194** (Marks:1) **Vu-Topper RM**

\_\_\_\_\_ is NOT an example of connecting device.

**TCP**

**Question No:195** (Marks:1) **Vu-Topper RM**

Parabolic antenna is used for \_\_\_\_\_ communication.

**Microwave**

**Question No:196** (Marks:1) **Vu-Topper RM**

Token Ring was devised by \_\_\_\_\_.

A. OSI

**B. IBM** **Google**

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- C. DELL
- D. NASA

**Question No:197** (Marks:1) **Vu-Topper RM**  
Induced noise Cable TV networks use \_\_\_\_\_ cables.  
**Coaxial**

**Question No:198** (Marks:1) **Vu-Topper RM**  
Electromagnetic waves ranging in frequencies between 3 kHz and 1 GHz are called \_\_\_\_\_.  
A. Light wave  
**B. Radio waves** **Google**  
C. Microwaves  
D. Infrared waves

**Question No:199** (Marks:1) **Vu-Topper RM**  
Most commonly used connector for twisted pair cable is \_\_\_\_\_.  
A. RJ-11  
**B. RJ-45**  
C. RJ-44  
D. RJ-52

**Question No:200** (Marks:1) **Vu-Topper RM**  
Binary Amplitude Shift Keying is also called as:  
**On-Off Keying**

**Question No:201** (Marks:1) **Vu-Topper RM**  
\_\_\_\_\_ is a multiplexing technique which shifts each signal to a different carrier frequency.  
**FDM**

**Question No:202** (Marks:1) **Vu-Topper RM**  
in NRZ-1 the signal is inverted if \_\_\_\_\_ is encountered.

**1**

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**Question No:203** (Marks:1) **Vu-Topper RM**  
\_\_\_\_\_ Protocol suite is being used by the modern internet communication.

**TCP/IP**

**Question No:204** (Marks:1) **Vu-Topper RM**  
In \_\_\_\_\_ signal changes its shape or form.

**Distortion**

**Question No:205** (Marks:1) **Vu-Topper RM**  
At the application layer, object/information is in the form of \_\_\_\_\_.

**Segment**

**Question No:206** (Marks:1) **Vu-Topper RM**  
the first step in PCM technique.

A. Encoding

**B. Sampling**

C. Quantizing

D. Substitution

**Question No:207** (Marks:1) **Vu-Topper RM**  
A frequency is called \_\_\_\_ if sine wave does not change with time

**Zero frequency**

**Question No:208** (Marks:1) **Vu-Topper RM**  
Open system interconnection (OSI) has \_\_\_ number of layers

**7**

**Question No:209** (Marks:1) **Vu-Topper RM**  
 $N = S * r$  is the formula for finding

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## Baud rate

**Question No:210** (Marks:1) **Vu-Topper RM**

In context of bandwidth-delay product, the cross section of the pipe represents the \_\_\_\_\_.

## Bandwidth

**Question No:211** (Marks:1) **Vu-Topper RM**

OSI stands for \_\_\_\_\_.

Open System Interface

Open Source Interconnection

## Open system interconnection

Open Standard Interconnection

**Question No:212** (Marks:1) **Vu-Topper RM**

Writing used for transmission modes depends upon \_\_\_\_\_.

## Data stream

**Question No:213** (Marks:1) **Vu-Topper RM**

Minimum bandwidth required for Manchester line coding scheme is \_\_\_\_\_.

**A. 1Mhz** **Google**

B. 2Mhz

C. 1Ghz

D. 3Ghz

**Question No:214** (Marks:1) **Vu-Topper RM**

Packets travel in \_\_\_\_\_ layer of TCP/IP protocol suit

## Network

**Question No:215** (Marks:1) **Vu-Topper RM**

\_\_\_\_\_ protocol suit is being used by the modern internet communication

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## TCP/IP

Question No:216

(Marks:1)

Vu-Topper RM

Frames travel in \_\_\_\_\_ layer of TCP/IP Protocol suite.

Network

**Data link**

Application

Presentation

Question No:217

(Marks:1)

Vu-Topper RM

There are \_\_ common scrambling technique

**Two**

Question No:218

(Marks:1)

Vu-Topper RM

FSK stands for \_\_\_\_\_.

A. Fake Shift Keying

B. Foreign shift keying

C. Frequency Swift king

**D. Frequency shift keying** ok

Question No:219

(Marks:1)

Vu-Topper RM

Switch is a \_\_\_\_\_ layer device.

Network

Transport

**Data link**

Application

Question No:220

(Marks:1)

Vu-Topper RM

In PCM technique Quantization is an \_\_\_\_\_ process

**Un-balanced**

Question No:221

(Marks:1)

Vu-Topper RM

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The layer of TCP/IP protocol suite which is on the top is known as \_\_\_\_\_ layer.

**Application**

**Question No:222** (Marks:1) **Vu-Topper RM**  
Manchester encoding scheme uses and inversion at the \_\_\_\_\_ of each bit  
**Middle**

**Question No:223** (Marks:1) **Vu-Topper RM**  
High-Level Data Link Control(HDLC) defines \_\_\_\_\_ types of frames to deal with the transfer modes.  
**3**

**Question No:224** (Marks:1) **Vu-Topper RM**  
\_\_\_\_\_ are used to transport user data and control information relating to user data  
**Information frames**

**Question No:225** (Marks:1) **Vu-Topper RM**  
\_\_\_\_\_ are used to exchange session management and control information between connected devices.  
**U-frames**

**Question No:226** (Marks:1) **Vu-Topper RM**  
The \_\_\_\_\_ is the number of signal elements sent per unit time.  
**Bit rate**

**Question No:227** (Marks:1) **Vu-Topper RM**  
Error correction is more \_\_\_\_\_ than the error detection  
**Difficult**

**Question No:228** (Marks:1) **Vu-Topper RM**

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

**PPP**

**Question No:229**

**(Marks:1)**

**Vu-Topper RM**

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

Ture

**False**

**Question No:230**

**(Marks:1)**

**Vu-Topper RM**

Which one is not the function of data link layer?

**Line discipline**

**Question No:231**

**(Marks:1)**

**Vu-Topper RM**

Is not a function of Data Link Control.

**Modulation**

**Question No:232**

**(Marks:1)**

**Vu-Topper RM**

The \_\_\_\_\_ protocol uses both flow and error control.

**Stop-and-Wait**

**Question No:233**

**(Marks:1)**

**Vu-Topper RM**

The \_\_\_\_\_ technique expands the bandwidth of a signal by replacing each data bit with n bits using a spreading code.

A. FDM

B. TDM

**C. DSSS**

**ok**

D. FHSS

**Question No:234**

**(Marks:1)**

**Vu-Topper RM**

Digital signals are referred to be \_\_\_\_\_.

**Discrete**

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**Question No:235** (Marks:1) **Vu-Topper RM**  
The original Ethernet technology with the data rate of 10 Mbps is called \_\_\_\_\_?

**Standard Ethernet**

**Question No:236** (Marks:1) **Vu-Topper RM**  
The extra bits added with the original data for error detection/correction are called \_\_\_\_\_.

**Redundant bits**

**Question No:237** (Marks:1) **Vu-Topper RM**  
In \_\_\_\_\_, each station sends a frame whenever it has a frame to send.

**Slotted ALOHA**

**Question No:238** (Marks:1) **Vu-Topper RM**  
In TCP/IP protocol suite, the process of adding header at each layer on sending side is known as \_\_\_\_\_

**Packetizing**

**Question No:239** (Marks:1) **Vu-Topper RM**  
What is the period of a Sine wave having frequency of 5 Hz?

**0.2**

**Question No:240** (Marks:1) **Vu-Topper RM**  
In Pure ALOHA, the vulnerable time is \_\_\_\_\_ the frame transmission time.

**Two times**

**Question No:241** (Marks:1) **Vu-Topper RM**  
Analog refers to something that is continuous in \_\_\_\_\_.

**Time**

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Question No:242 (Marks:1)  
\_\_\_\_\_ encoding is almost obsolete today

Vu-Topper RM

**Unipolar**

Question No:243 (Marks:1)  
Which of the following is most affected by noise?

Vu-Topper RM

**ASK**

Question No:244 (Marks:1)  
\_\_\_\_\_ is sometimes called the bit rate.

Vu-Topper RM

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

Question No:245 (Marks:1)  
\_\_\_\_\_ contains a repeater.

Vu-Topper RM

**Active hub**

Question No:246 (Marks:1)  
Asynchronous transmission is \_\_\_\_\_.

Vu-Topper RM

**Slow**

Question No:247 (Marks:1)  
In ASK, both \_\_\_\_\_ and \_\_\_\_\_ remain constant.

Vu-Topper RM

**Frequency, Phase**

Question No:248 (Marks:1)  
DLC in Data Link Layer stands for \_\_\_\_\_.

Vu-Topper RM

**Data Link Control**

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**Question No:249**

**(Marks:1)**

**Vu-Topper RM**

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

**TDMA**

**Question No:250**

**(Marks:1)**

**Vu-Topper RM**

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

**Large**

**Question No:251**

**(Marks:1)**

**Vu-Topper RM**

Human voice is example of \_\_\_\_\_ signal

**Analog**

**Question No:252**

**(Marks:1)**

**Vu-Topper RM**

The human voice normally contains frequency range from \_\_\_\_\_.

A. 0 to 6000 Hz

B. 0 to 5000 Hz

C. 0 to 3000 Hz

**D. 0 to 4000 Hz** Google

**Question No:253**

**(Marks:1)**

**Vu-Topper RM**

According to the Fourier analysis, frequencies obtained after decomposition of non periodic digital signals are \_\_\_\_\_.

**A. Bit length**

B. Automatic

C. Continuous

D. Heterogeneous

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**Question No:254**

**(Marks:1)**

**Vu-Topper RM**

The addresses of transport layer are in the form of \_\_\_\_\_.

A. Name

**B. Port numbers**      **Google**

C. Logical addresses

D. Link-layer addresses

**Question No:255**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ is the example of multipoint topology.

**A. Bus**      **Google**

B. Star

C. Hub

D. Mesh

**Question No:256**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ component of data communication governs the overall communication on the network.

A. Sender

B. Receiver

C. Protocol

**D. Transmission Medium**

**Question No:257**

**(Marks:1)**

**Vu-Topper RM**

In \_\_\_\_\_ transmission mode, start and stop bits are used.

A. Sequential

B. Isochronous

C. Synchronous

**D. Asynchronous**      **Google**

**Question No:258**

**(Marks:1)**

**Vu-Topper RM**

\_\_\_\_\_ is an Application layer protocol, that is used for accessing the internet.

A. UDP

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- B. TCP
- C. MAC
- D. HTTP**

Google

**Question No:259** (Marks:1) **Vu-Topper RM**  
Suppose a signal is attenuated then the value of decibel will be

\_\_\_\_\_.

- A. 0
- B. 1
- C. Negative**
- D. Positive

New handout

**Question No:260** (Marks:1) **Vu-Topper RM**  
\_\_\_\_\_ encoding scheme is somewhat a combination of the RZ and NRZ-I schemes.

- A. AMI
- B. Manchester**
- C. Differential Manchester
- D. Manchester and differential Manchester

Google

**Question No:261** (Marks:1) **Vu-Topper RM**  
The logical connection between the peer layers is \_\_\_\_\_ connection.

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

Google

**Question No:262** (Marks:1) **Vu-Topper RM**  
To improve the performance of line coding \_\_\_\_\_ coding was introduced.

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- A. 2BIQ
- B. MLT-3
- C. Block coding**
- D. Double coding

**Google**

**Question No:263** (Marks:1) **Vu-Topper RM**  
Block coding can help in \_\_\_\_\_ at the receiver side.

- A. Distortion
- B. Error detection**
- C. Synchronization
- D. Synchronization and error detection

**New Handout**

**Question No:264** (Marks:1) **Vu-Topper RM**  
In TCP / IP model, the Physical Layer exchanges data in the form of \_\_\_\_\_.

- A. Bits**
- B. Frames
- C. Packets
- D. Segments

**Google**

**Question No:265** (Marks:1) **Vu-Topper RM**  
DC component issue is solved in \_\_\_\_\_ coding scheme.

- A. Line
- B. Vector
- C. Bipolar**
- D. Biphase

**New handout**

**Question No:266** (Marks:1) **Vu-Topper RM**  
\_\_\_\_\_ signals have limited number of discrete values.

- A. Digital**
- B. Logical

**Google**

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- C. Analogue
- D. Continuous

**Question No:267**

**(Marks:1)**

**Vu-Topper RM**

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

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

**Google**

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