

Professional Online Academy Vu Topper RM



CS601-Data Communication Update MCQ'S Mid Term By Vu Topper RM



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Question No:1

(Marks:1)

Vu-Topper RM

In Quadrature Phase Shift Keying (QPSK), -----are modulated at once.

- A. one bit
- B. three bits
- C. two bits**
- D. four bits

Question No:2

(Marks:1)

Vu-Topper RM

In amplitude shift keying ,the amplitude of the carrier signal is varied to create _____.

- A. Signal elements**
- B. Frequency
- C. Signal rate
- D. Modules

Question No:3

(Marks:1)

Vu-Topper RM

Which one of the following is not a bipolar encoding level?

- A. Positive
- B. Negative
- C. One**
- D. Zero

Question No:4

(Marks:1)

Vu-Topper RM

_____ encoding scheme is somewhat a combination of the RZ and NRZ-L schemes.

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

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Question No:5

(Marks:1)

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Line coding method must eliminate the _____ and provide synchronization between the sender and the receiver.

A. Noise

B. DC component

C. Distortion

D. Attenuation

Question No:6

(Marks:1)

Vu-Topper RM

In Pulse code modulation technique, which approach will be most appropriate for sampling _____.

A. Nyquist Sampling

B. Under sampling

C. Over sampling

D. Analog Sampling

Question No:7

(Marks:1)

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_____ cable is used in Wavelength division multiplexing.

A. Twisted pair

B. Ethernet

C. Fiber optic

D. Coaxial

Question No:8

(Marks:1)

Vu-Topper RM

In _____ modulation, frequency and amplitude remains constant.

A. Quadrature

B. Amplitude

C. Frequency

D. Phase

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Question No:9

(Marks:1)

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Unipolar encoding scheme uses _____ voltage level.

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

Question No:10

(Marks:1)

Vu-Topper RM

In layered architecture of network, logical connection between layers means:

- A. They can perform identical opposite tasks
- B. They have identical names
- C. They are connected in peers**
- D. They communicate directly

Question No:11

(Marks:1)

Vu-Topper RM

Suppose a signal is amplified then the value of decibel will be _____.

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

Question No:12

(Marks:1)

Vu-Topper RM

Digital signals are identified by a _____ set of discrete values.

- A. Logical
- B. Infinite
- C. Discrete**
- D. Limited

Question No:13

(Marks:1)

Vu-Topper RM

_____ are known as identical objects in Data link la

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A.Frame

- B. Messages
- C. Datagrams
- D. Bits

Question No:14

(Marks:1)

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Transmission media does not include _____.

- A. Water
- B. Free space
- C. Air

D. None of the above

Question No:15

(Marks:1)

Vu-Topper RM

To measure the data rate _____ theoretically formula(s) were developed.

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

Question No:16

(Marks:1)

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Low pass channel with _____ bandwidth is not real and is used for theoretical modeling.

- A. Narrow
- B. Ethernet

C. Infinite

- D. Multiplexed

Question No:17

(Marks:1)

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If 16 bits are transmitted within a one-second interval, the bitrate for that signal is _____.

- A. 8
- B. 32

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C.16

D. 64

Question No:18

(Marks:1)

Vu-Topper RM

A small home based network comprising of four computers directly connected with each other is an example of _____.

A. Local Area Network

B. Wide Area Network

C. Internetwork

D. Metropolitan Area Network

Question No:19

(Marks:1)

Vu-Topper RM

_____ is a network device which operates on the network layer in the TCP/IP protocol suite.

A. Router

B. Gateway

C. Hub

D. Switch

Question No:20

(Marks:1)

Vu-Topper RM

Which of the following best illustrates the concept of decapsulation in internet protocol layering?

A. Converting a digital image into sound waves for transmission.

B. Writing a message on a piece of paper before placing it in an envelope.

C. Encrypting a sensitive email to send it securely.

D. Unzipping a compressed file on your computer to access its contents

Question No:21

(Marks:1)

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In Bus topology, the cable used to connect a node with the backbone cable is called _____.

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A. Drop Line

B. Connector

C. Central Cable

D. Main Line

Question No:22

(Marks:1)

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In Amplitude Shift Keying _____ remain(s) constant.

A. Frequency and Amplitude

B. Frequency and Phase

C. Amplitude

D. Phase

Question No:23

(Marks:1)

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In analog telephone system, a voice channel contains frequency of -----

A. 25kHz

B. 4kHz

C. 12kHz

D. 30kHz

Question No:24

(Marks:1)

Vu-Topper RM

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

A. Repeaters

B. Switches

C. Servers

D. Routers

Question No:25

(Marks:1)

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Binary _____ is also called On-OFF Keying.

A. PSK

B. FSK

C. QAM

D. ASK

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Question No:26

(Marks:1)

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_____ is a type of serial transmission in which timing of Signal is unimportant as information received is agreed upon certain agreements between sender and receiver.

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

Question No:27

(Marks:1)

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_____ are known as identical objects in Network layer.

- A. Datagrams**
- B. Messages
- C. Frame
- D. Bits

Question No:28

(Marks:1)

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Reliability of network is measured by _____.

- A. Accuracy
- B. Delay**
- C. Jitter
- D. Throughput

Question No:29

(Marks:1)

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In _____ scheme, the bit is 0 if there is no change and the bit is 1 if there is a change.

- A. NRZ
- B. NRZ-L
- C. Unipolar
- D. NRZ-I**

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Question No:30

(Marks:1)

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The conversion of analog sample of the signal into digital form is called _____ process.

- A. Sampling
- B. Quantizing
- C. Quantizing and Sampling**
- D. Modulation

Question No:31

(Marks:1)

Vu-Topper RM

The communication at the Application, Transport and Network layer is _____.

- A. Physical
- B. Rational
- C. Logical**
- D. Real

Question No:32

(Marks:1)

Vu-Topper RM

In Manchester and differential Manchester encoding schemes, the signal rate is _____ than that of NRZ.

- A. Triple
- B. Double**
- C. Lower
- D. Equal

Question No:33

(Marks:1)

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Which multiplexing technique shifts each signal to a different carrier frequency?

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

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Question No:34

(Marks:1)

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If 7 stations are to be connected in a Mesh topology, the number of full duplexed dedicated links would be:

- A. 26
- B. 21**
- C. 7
- D. 14

Question No:35

(Marks:1)

Vu-Topper RM

The fiber optic possess layer of _____ right inside after outer jacket.

- A. Cladding**
- B. Core
- C. Plastic Buffer
- D. DuPont Kevlar

Question No:36

(Marks:1)

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A digital signal is expressed through _____ values.

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

Question No:37

(Marks:1)

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TCP/IP protocol suite has _____ layers.

- A. 6
- B. 7
- C. 5
- D. 4**

Question No:38

(Marks:1)

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A connecting device _____ in a network

- A. Controls network traffic and facilitates data transfer between devices.**

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- B. Provides power supply to network devices.
- C. Manages network security
- D. Determines the type of data transmitted in the network.

Question No:39

(Marks:1)

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Routing is the function of _____ layer.

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

Question No:40

(Marks:1)

Vu-Topper RM

In baseband transmission, a digital signal is transmitted as _____.

- A. Multiplexed signal
- B. Modulated signal
- C. Analog signal
- D. Digital signal**

Question No:41

(Marks:1)

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_____ is the encoded message sent from one station to another when they are connected securely.

- A. Cryptogram
- B. Cipher Text**
- C. Encrypted data
- D. Secure message

Question No:42

(Marks:1)

Vu-Topper RM

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

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

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Question No:43

(Marks:1)

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Which communication mode allows data transmission in one direction only, without any feedback or response from the receiving device?

- A. Bidirectional
- B. Half Duplex
- C. Simplex**
- D. Full Duplex

Question No:44

(Marks:1)

Vu-Topper RM

Bandwidth in hertz is the range of _____ contained in a composite signal.

- A. Amplitudes
- B. Phases
- C. Frequencies**
- D. Signals

Question No:45

(Marks:1)

Vu-Topper RM

Current technology supports _____ modes for propagation of light.

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

Question No:46

(Marks:1)

Vu-Topper RM

The fiber optic cable of type 7/125 is of _____ 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:47

(Marks:1)

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Coaxial cable carries signals of higher frequency ranges than those in _____ cable.

- A. Television
- B. Twisted pair**
- C. T Lines
- D. Fiber optic

Question No:48

(Marks:1)

Vu-Topper RM

Which multiplexing technique involves signals composed of light beams?

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

Question No:49

(Marks:1)

Vu-Topper RM

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**

Question No:50

(Marks:1)

Vu-Topper RM

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

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

Question No:51

(Marks:1)

Vu-Topper RM

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

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

Question No:52

(Marks:1)

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_____ technique does not follows analog to analog conversion.

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

Question No:53

(Marks:1)

Vu-Topper RM

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**

Question No:54

(Marks:1)

Vu-Topper RM

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

Question No:55

(Marks:1)

Vu-Topper RM

PSK is _____ susceptible to noise as compared to ASK.

- A. Equally
- B. More
- C. Highly

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D. Less

Question No:56

(Marks:1)

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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

Question No:57

(Marks:1)

Vu-Topper RM

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

- A. Simplex**
- B. Complex
- C. Full duplex
- D. Half duplex

Question No:58

(Marks:1)

Vu-Topper RM

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

Capacity=Bandwidth*log₂(1+SNR)

Question No:59

(Marks:1)

Vu-Topper RM

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

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Question No:60

(Marks:1)

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Taking off the header from the message is called _____.

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

Question No:61

(Marks:1)

Vu-Topper RM

_____ is the range of frequencies contained in a composite signal.

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

Question No:62

(Marks:1)

Vu-Topper RM

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

- A. packet
- B. segment**
- C. bit
- D. frame

Question No:63

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

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Question No:64

(Marks:1)

Vu-Topper RM

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:65

(Marks:1)

Vu-Topper RM

Quadrature Amplitude Modulation is the mechanism of _____ conversion.

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

Question No:66

(Marks:1)

Vu-Topper RM

_____ 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:67

(Marks:1)

Vu-Topper RM

WDM stands for _____.

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

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Question No:68

(Marks:1)

Vu-Topper RM

Voltage controlled oscillator(VCO) generates _____ .

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

Google

Question No:69

(Marks:1)

Vu-Topper RM

A virtual-circuit network operates on _____ layer.

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

Google

Question No:70

(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)
- C. IETF**
- D. IRTF

Question No:71

(Marks:1)

Vu-Topper RM

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

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

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Question No:72

(Marks:1)

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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:73

(Marks:1)

Vu-Topper RM

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

A. Amplitude and Frequency

B. Amplitude

C. Frequency and Amplitude

D. Phase

Question No:74

(Marks:1)

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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:75

(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

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Question No:76

(Marks:1)

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

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

Question No:77

(Marks:1)

Vu-Topper RM

QPSK stands for _____.

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

Question No:78

(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:79

(Marks:1)

Vu-Topper RM

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

- A. Bit**
- B. Byte
- C. Signal
- D. Decibel

Question No:80

(Marks:1)

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BFSK stands for _____.

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

Question No:81

(Marks:1)

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

- A. Wavelength**
- B. Amplitude
- C. Phase
- D. Time

Question No:82

(Marks:1)

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

- A. 4**
- B. 6
- C. 7
- D. 8

Question No:83

(Marks:1)

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_____ means loss of energy in signal.

- A. Noise
- B. Delay
- C. Attenuation**
- D. Distortion

Question No:84

(Marks:1)

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_____ mode of serial transmission guarantees fixed rate data.

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

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Question No:85

(Marks:1)

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A common Bipolar encoding scheme is called _____.

A. AMI

B. NRZ

C. RZ

D. QAM

Question No:86

(Marks:1)

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_____ relatively measures the strength of two signals.

A. Signal rate

B. Bit rate

C. Decibel

D. Pulse rate

Question No:87

(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

B. NSK

C. FSK

D. PSK

Question No:88

(Marks:1)

Vu-Topper RM

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

A. 60kHz

B. 240 Hz

C. 240 kHz

D. 120 kHz

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Question No:89

(Marks:1)

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Narrow bands of light in wave division multiplexing are denoted by

_____.

- A. α
- B. β
- C. λ**
- D. π

Question No:90

(Marks:1)

Vu-Topper RM

Which digital multiplexing technique is used to allow several connections to share the high bandwidth of a link?

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

Question No:91

(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:92

(Marks:1)

Vu-Topper RM

_____ is the sub type of Time Division Multiplexing Technique.

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

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Question No:93

(Marks:1)

Vu-Topper RM

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

- A. Multiplexing**
- B. Demultiplexing
- C. Modulation
- D. Demodulation

Question No:94

(Marks:1)

Vu-Topper RM

Time division multiplexing is used in _____ systems.

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

Question No:95

(Marks:1)

Vu-Topper RM

A telephone line analog signal has got the bandwidth of _____.

- A. 8kHz
- B. 4kHz**
- C. 16kHz
- D. 12kHz

Question No:96

(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**
- B. ADM
- C. DAM
- D. SDM

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Question No:97

(Marks:1)

Vu-Topper RM

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

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

Question No:98

(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:99

(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**
- B. Time division
- C. Hybrid division
- D. Wavelength division

Question No:100

(Marks:1)

Vu-Topper RM

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

- A. QAM
- B. ASK
- C. FSK
- D. Line coding**

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Question No:101

(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:102

(Marks:1)

Vu-Topper RM

Latency is made of _____ components.

A. Two

B. Five

C. Four

D. Three

Question No:103

(Marks:1)

Vu-Topper RM

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

A. 2

B. 4

C. 6

D. 8

Question No:104

(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

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Question No:105

(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

Question No:106

(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:107

(Marks:1)

Vu-Topper RM

Microwaves are _____.

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

Question No:108

(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**
- B. TDM
- C. PDM
- D. CSMA

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Question No:109

(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**
- D. Asynchronous

Google

Question No:110

(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:111

(Marks:1)

Vu-Topper RM

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

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

Question No:112

(Marks:1)

Vu-Topper RM

$N=S_x r$ is the formula for finding _____ .?

- A. Bit rate
- B. Baud rate**
- C. Data element
- D. Signal element

Google

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Question No:113

(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:114

(Marks:1)

Vu-Topper RM

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

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

Question No:115

(Marks:1)

Vu-Topper RM

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

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

Question No:116

(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**
- D. Network Layer

Google

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Question No:117

(Marks:1)

Vu-Topper RM

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

- A. 2Δ**
- B. 4Δ
- C. 6Δ
- D. $2X5\Delta$

Question No:118

(Marks:1)

Vu-Topper RM

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

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

Question No:119

(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:120

(Marks:1)

Vu-Topper RM

A variation of AMI encoding is called as _____.

- A. Polar
- B. Uni-code
- C. Uni-polar
- D. Pseudoternary**

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Question No:121

(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:122

(Marks:1)

Vu-Topper RM

Polar encoding scheme uses _____ voltage level.

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

Question No:123

(Marks:1)

Vu-Topper RM

In a bidirectional communication, each layer performs two _____ tasks in each direction.

- A. Opposite
- B. Complimentary**
- C. Similar
- D. Identical

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

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Question No:125

(Marks:1)

Vu-Topper RM

In Ring topology, each node has a point to point dedicated link with _____.

- A. More than 3 nodes
- B. Exactly 1 node
- C. Exactly 3 nodes
- D. Exactly 2 nodes**

Question No:126

(Marks:1)

Vu-Topper RM

Simple sine wave can be used to send ----- .

- A. Amplitude
- B. Bandwidth
- C. Time value
- D. Power signal**

Question No:127

(Marks:1)

Vu-Topper RM

_____ 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:128

(Marks:1)

Vu-Topper RM

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

- A. Serial
- B. Parallel**
- C. Sequential
- D. In Serial and Parallel

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Question No:129

(Marks:1)

Vu-Topper RM

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

- A. Bit Modulation(BDM)
- B. Delta Modulation (DM)
- C. Pulse Code modulation (PCM)**
- D. Both Pulse Code and Delta Modulation

Question No:130

(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. $N \times N$
- B. $N+1$
- C. $N(N+1)$
- D. $N-1$**

Question No:131

(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:132

(Marks:1)

Vu-Topper RM

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

- A. Phase
- B. Amplitude
- C. Bandwidth
- D. Period of the frequency**

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Question No:133

(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:134

(Marks:1)

Vu-Topper RM

AMI is a popular _____ encoding method.

- A. Polar
- B. Bi-polar**
- C. Uni-polar
- D. Substitution

Question No:135

(Marks:1)

Vu-Topper RM

LF (Low Frequency) band is used in _____ propagation.

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

Question No:136

(Marks:1)

Vu-Topper RM

Cable TV networks use _____ cables.

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

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Question No:137

(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:138

(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:139

(Marks:1)

Vu-Topper RM

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

- A. Protocol**
- B. Topology
- C. Switching
- D. Encryption

Question No:140

(Marks:1)

Vu-Topper RM

Datagram (packet) travels across _____ in a network.

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

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Question No:141

(Marks:1)

Vu-Topper RM

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

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

Question No:142

(Marks:1)

Vu-Topper RM

Composite wave can be used to send ----- .

- A. Telephone Talk**
- B. Frequency
- C. Bandwidth
- D. Amplitude

Question No:143

(Marks:1)

Vu-Topper RM

The conversion of _____ sample of the signal into _____ form is called quantizing process

- A. Analog, Digital**
- B. Frequency, Amplitude
- C. Amplitude, Frequency
- D. Frequency, Bit Stream

Question No:144

(Marks:1)

Vu-Topper RM

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

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Question No:145

(Marks:1)

Vu-Topper RM

Multipoint channel can be shared in _____ manner.

- A. Spatial
- B. Temporal
- C. A lot of ways
- D. Both temporal and spartial.**

Question No:146

(Marks:1)

Vu-Topper RM

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

- A. Simplex
- B. Complex
- C. Half duplex
- D. Full duplex**

Question No:147

(Marks:1)

Vu-Topper RM

Wiring used for transmission modes depends upon _____.

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

Question No:148

(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**
- C. Asynchronous
- D. Metasochronous

Google

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Question No:149

(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:150

(Marks:1)

Vu-Topper RM

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

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

Question No:151

(Marks:1)

Vu-Topper RM

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

- A. 1983**
- B. 1980
- C. 1973
- D. 1988

Question No:152

(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

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Question No:153

(Marks:1)

Vu-Topper RM

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. Console

Question No:154

(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:155

(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:156

(Marks:1)

Vu-Topper RM

_____ is the Nyquist bit rate formula for noiseless channel.

- A. $\text{BitRate} = 2 * \text{Bandwidth} * L$
- B. $\text{BitRate} = 2 * \text{Bandwidth} * \log_2 L$
- C. $\text{BitRate} = 3 * \text{Bandwidth} * \log_2 L$
- D. $\text{BitRate} = 2 * \text{Bandwidth} * \log_2 L$**

Question No:157

(Marks:1)

Vu-Topper RM

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

- A. Bits

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- B. Bytes
- C. Light**
- D. Electromagnetic wave

Question No:158 (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:159 (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**
- C. Frequency
- D. Modulation

Question No:160 (Marks:1) **Vu-Topper RM**

_____ category of coaxial cable is used for thick Ethernet.

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

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

QAM stands for _____.

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

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D. Quadrature Amplitude Modulation

Question No:162

(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:163

(Marks:1)

Vu-Topper RM

_____ is an example of transmitter.

A. Hub

B. Server

C. Modem

D. Workstation

Question No:164

(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

Question No:165

(Marks:1)

Vu-Topper RM

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

A. Time

B. Amplitude

C. Frequency

D. Wavelength

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Question No:166

(Marks:1)

Vu-Topper RM

_____ signal completes a certain pattern in a specific amount of time.

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

Question No:167

(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:168

(Marks:1)

Vu-Topper RM

In frequency modulation, the frequency of the oscillator changes according to the _____.

- A. Input Voltage**
- B. Output phase
- C. Output voltage
- D. Output frequency

Question No:169

(Marks:1)

Vu-Topper R

_____ is the heart of block coding.

- A. Division
- B. Coding**
- C. Substitution
- D. Multiplication

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Question No:170

(Marks:1)

Vu-Topper RM

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

- A. Impulse
- B. Thermal
- C. Induced**
- D. Cross talk

Question No:171

(Marks:1)

Vu-Topper RM

Token Ring was devised by _____.

- A. OSI
- B. IBM** **Google**
- C. DELL
- D. NASA

Question No:172

(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:173

(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:174

(Marks:1)

Vu-Topper RM

In _____ signal changes its shape or form.

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A. Distortion

B. Attenuation

C. Thermal noise

D. impulse Noise

Question No:175

(Marks:1)

Vu-Topper RM

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

_____.

A. Frame

B. Packet

C. Segment

D. Mesange

Question No:176

(Marks:1)

Vu-Topper RM

the first step in PCM technique.

A. Encoding

B. Sampling

C. Quantizing

D. Substitution

Question No:177

(Marks:1)

Vu-Topper RM

A frequency is called -----, if sine wave does not change with time.

A. Frequency hertz

B. Infinite frequency

C. Bandwidth

D. Zero frequency

Question No:178

(Marks:1)

Vu-Topper RM

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

A. Delay

B. Frequency

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- C. Throughput
- D. Bandwidth**

Question No:179

(Marks:1)

Vu-Topper RM

OSI stands for _____.

- A. Open System Interface
- B. Open Source Interconnection
- C. Open system interconnection**
- D. Open Standard Interconnection

Question No:180

(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:181

(Marks:1)

Vu-Topper RM

Packets travel in _____ layer of TCP/IP Protocol suite.

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

Question No:182

(Marks:1)

Vu-Topper RM

Frames travel in _____ layer of TCP/IP Protocol suite.

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

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Question No:183

(Marks:1)

Vu-Topper RM

There are _____ common scrambling techniques.

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

Question No:184

(Marks:1)

Vu-Topper RM

FSK stands for _____.

- A. Fake Shift Keying
- B. Foreign shift keying
- C. Frequency Swift king
- D. Frequency shift keying**

Question No:185

(Marks:1)

Vu-Topper RM

Switch is a _____ layer device.

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

Question No:186

(Marks:1)

Vu-Topper RM

In PCM technique, Quantization is an _____ process.

- A. Approximation**
- B. Un-necessary
- C. Unbalanced
- D. Ordered

Question No:187

(Marks:1)

Vu-Topper RM

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

- A. Application**

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- B. Network
- C. Data link
- D. Transport

Question No:188

(Marks:1)

Vu-Topper RM

Manchester encoding scheme uses an inversion at the _____ of each bit.

- A. None of the given
- B. End
- C. Middle**
- D. Start

Question No:189

(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**
- D. FHSS

Question No:190

(Marks:1)

Vu-Topper RM

_____ is sometimes called the bit rate.

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

Question No:191

(Marks:1)

Vu-Topper RM

The human voice normally contains frequency range from _____.

- A. 0 to 6000 Hz
- B. 0 to 5000 Hz

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C. 0 to 3000 Hz

D. 0 to 4000 Hz Google

Question No:192

(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

Question No:193

(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:194

(Marks:1)

Vu-Topper RM

_____ is the example of multipoint topology.

A. Bus Google

B. Star

C. Hub

D. Mesh

Question No:195

(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

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Question No:196

(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:197

(Marks:1)

Vu-Topper RM

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

- A. UDP
- B. TCP
- C. MAC

D. HTTP

Google

Question No:198

(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:199

(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

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Question No:200

(Marks:1)

Vu-Topper RM

The logical connection between the peer layers is _____ connection.

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

Question No:201

(Marks:1)

Vu-Topper RM

To improve the performance of line coding _____ coding was introduced.

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

Question No:202

(Marks:1)

Vu-Topper RM

Block coding can help in _____ at the receiver side.

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

Question No:203

(Marks:1)

Vu-Topper RM

In TCP / IP model, the Physical Layer exchanges data in the form of _____.

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

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Question No:204

(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:205

(Marks:1)

Vu-Topper RM

_____ signals have limited number of discrete values.

- A. Digital**
- B. Logical
- C. Analogue
- D. Continuous

Google

Question No:206

(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

Question No:207

(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:208

(Marks:1)

Vu-Topper RM

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

A. Pulse Amplitude Modulation

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- B. Pulse sample Modulation
- C. Pulse line modulation
- D. Pulse Frequency Modulation

Question No:209

(Marks:1)

Vu-Topper RM

Unit of phase is _____.

- A. Watts
- B. Bauds
- C. Degree**
- D. Bits per second

Question No:210

(Marks:1)

Vu-Topper RM

Entire band in United States is regulated by _____ authorities.

- A. ITU
- B. FCC**
- C. ANSI
- D. NASA

Question No:211

(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

Question No:212

(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

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D. Only up and down direction

Question No:213

(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:214

(Marks:1)

Vu-Topper RM

A twisted pair cable consists of _____ conductors.

A. Two

B. Five

C. Four

D. Three

Question No:215

(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:216

(Marks:1)

Vu-Topper RM

_____ can be published using Request for Comments (RFCs).

A. Proposed Standard

B. Draft Standard

C. Internet Draft

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D. Internet Standard

Question No:217

(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:218

(Marks:1)

Vu-Topper RM

Bi-polar uses _____ voltage levels.

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

Question No:219

(Marks:1)

Vu-Topper RM

Low pass channel has _____ bandwidth between two stations.

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

Question No:220

(Marks:1)

Vu-Topper RM

Them on the transmission medium.

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

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Question No:221

(Marks:1)

Vu-Topper RM

Block coding scheme contains _____ number of steps.

A. 3

B. 4

C. 5

D. 6

Question No:222

(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:223

(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

Question No:240

(Marks:1)

Vu-Topper RM

Uni polar, polar and bipolar are the types of _____

A. Line

B. Differential Manchester

C. NRZ-I

D. Block

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Question No:225

(Marks:1)

Vu-Topper RM

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:226

(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:227

(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:228

(Marks:1)

Vu-Topper RM

In TCP/IP model, the Physical Layer exchanges data in the form of ____.

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

Question No:229

(Marks:1)

Vu-Topper RM

_____ signal is represented by the discrete values.

- A. Analog

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B. Digital

C. Both

D. Continuous

Question No:230

(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

Question No:231

(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:232

(Marks:1)

Vu-Topper RM

Cellular telephone uses _____ waves for communication.

A. Radio waves

B. light wave

C. infrared waves

D. microwaves

Question No:233

(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

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Question No:234

(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:235

(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:236

(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:237

(Marks:1)

Vu-Topper RM

Virtual Circuit Identifier is the _____ of packet.

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

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Question No:238

(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:239

(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:240

(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:241

(Marks:1)

Vu-Topper RM

Routing is a function of _____ layer.

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

Question No:242

(Marks:1)

Vu-Topper RM

_____ signals can take infinite levels of intensity over time.

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

Question No:243

(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:244

(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:245

(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)

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Question No:246

(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:247

(Marks:1)

Vu-Topper RM

Connection setup means using _____ channels in circuit switched network.?

A. Satellite

B. Both

C. Communication

D. None of the these

Question No:248

(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:249

(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

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Question No:250

(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:251

(Marks:1)

Vu-Topper RM

VCI address is _____ address in virtual circuit approach.

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

Question No:252

(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:253

(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:254

(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:255

(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:256

(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:257

(Marks:1)

Vu-Topper RM

Line coding scheme is roughly divide into _____ broad categories.?

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

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Question No:258

(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:259

(Marks:1)

Vu-Topper RM

YMODEM has _____ Byte of data unit.

A. 1024

B. 2410

C. 2210

D. 1042

Question No:260

(Marks:1)

Vu-Topper RM

Manchester and differential Manchester encoding schemes are subtypes of _____ encoding scheme.

A. NRZ

B. Multilevel

C. Bi-phase

D. Uni-polar

Question No:261

(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

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Question No:262

(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:263

(Marks:1)

Vu-Topper RM

In virtual Circuit network all packets follow _____ path.

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

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