

Cs-601 Important Mid Term
Mcq's Solution 100% Correct :
Solve By Vu-Topper RM!!

وَعَزَّ مِنْ تَشَاءٍ وَتَذَلَّ مِنْ تَشَاءٍ



PROFESSIONAL ONLINE ACADEMY



**NOTHING IS
IMPOSSIBLE**

All Paid Services

- ❖ LMS Handling
- ❖ Important Notes
- ❖ Online Classes
- ❖ Projects
- ❖ Assignments
- ❖ Quiz
- ❖ GDB's

JOIN US NOW

For More Info
Contact us at:

Rizwan Manzoor

0322-4021365

Question No:1 (Marks:1) **Vu-Topper RM**
TCP/IP was presented by _____ in a research paper.
Vin Cerf and bob Kahn

Question No:2 (Marks:1) **Vu-Topper RM**
HDB3 falls under which coding scheme?
Bipolar

Question No:3 (Marks:1) **Vu-Topper RM**
Line coding scheme is roughly divide into _____ broad categories.?
Five

Question No:4 (Marks:1) **Vu-Topper RM**
A frequency is called _____, if the rate of change in sine wave Is
Instantaneous.
Infinite frequency

Question No:5 (Marks:1) **Vu-Topper RM**
The bipolar encoding scheme was developed as an alternative of _____.
NRZ

Question No:6 (Marks:1) **Vu-Topper RM**
In _____ TCP/IP was declared as the official protocol of internet.
1983

Question No:7 (Marks:1) **Vu-Topper RM**
If 32 bits are sent in two seconds then bitrate for that signal is
_____.
16 bps

Question No:8 (Marks:1) **Vu-Topper RM**
Relatively measures the strength of two signals.
Decibel

Question No:9 (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:10 (Marks:1) **Vu-Topper RM**
PSK is _____ susceptible to noise as compared to ASK.
False

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:11 (Marks:1) **Vu-Topper RM**
There are _____ components of data communication system.
5

Question No:12 (Marks:1) **Vu-Topper RM**
Which one of following is a scrambling coding technique?
B8ZS

Question No:13 (Marks:1) **Vu-Topper RM**
In NRZ-I the signal is inverted if _____ is encountered.
1

Question No:14 (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 will be _____.
5 bps

Question No:15 (Marks:1) **Vu-Topper RM**
_____ layer is responsible for creating datagrams.
Network

Question No:16 (Marks:1) **Vu-Topper RM**
_____ is the Nyquist bit rate formula for noiseless channel.
BitRate=2*Bandwidth*log₂ L

Question No:17 (Marks:1) **Vu-Topper RM**
Signals travel through fiber optic cable are in the form of _____.
Light

Question No:18 (Marks:1) **Vu-Topper RM**
When data is sent using _____, multiple data bits are transmitted over multiple channels at the same time.
parallel transmission

Question No:19 (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.
Amplitude

Question No:20 (Marks:1) **Vu-Topper RM**
_____ category of coaxial cable is used for thick Ethernet.
RG-58

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:21 (Marks:1) **Vu-Topper RM**
Time taken by a periodic signal to complete one cycle is called _____.
period.

Question No:22 (Marks:1) **Vu-Topper RM**
The most common type of connector used by coaxial cable is _____.
BNC

Question No:23 (Marks:1) **Vu-Topper RM**
Quadrature Amplitude Modulation is the mechanism of _____
conversion.
Digital to analog

Question No:24 (Marks:1) **Vu-Topper RM**
QAM stands for _____.
Quadrature Amplitude Modulation

Question No:24 (Marks:1) **Vu-Topper RM**
According to Nyquist theorem, the sampling rate must be at least _____ times
the highest frequency contained in the signal.
Twice

Question No:25 (Marks:1) **Vu-Topper RM**
_____ is an example of transmitter.
Modem

Question No:26 (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.
FSK

Question No:27 (Marks:1) **Vu-Topper RM**
_____ have established standards for using these signals for
communication between devices such as keyboards, mice, PCs, and printers.
Infrared waves

Question No:28 (Marks:1) **Vu-Topper RM**
WDM stands for _____.
Wavelength Division Multiplexing

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:29 (Marks:1) **Vu-Topper RM**
_____ is composed of thousands of interconnected networks expanded over large geographical area.
Wide area network WAN

Question No:30 (Marks:1) **Vu-Topper RM**
In frequency domain plot, which value is plot on Y-axis?
Amplitude

Question No:31 (Marks:1) **Vu-Topper RM**
_____ signal completes a certain pattern in a specific amount of time.
Periodic

Question No:32 (Marks:1) **Vu-Topper RM**
The baud rate is _____ to the bit rate.
Measure

Question No:33 (Marks:1) **Vu-Topper RM**
In frequency domain plot, which value is replaced with frequency?
Wavelength

Question No:34 (Marks:1) **Vu-Topper RM**
The material used for conduction in twisted pair cable is _____.
Copper

Question No:35 (Marks:1) **Vu-Topper RM**
To calculate the data rate for noisy channel _____ formula is used.
Shannon

Question No:36 (Marks:1) **Vu-Topper RM**
Radio waves are propagated in _____ whenever they are transmitted by an antenna.
All direction

Question No:37 (Marks:1) **Vu-Topper RM**
In _____ topology, each computer/station is attached to other through a central device.
Star topology

Question No:38 (Marks:1) **Vu-Topper RM**
In frequency modulation, the frequency of the oscillator changes according to the _____.
Input Voltage

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:39 (Marks:1) **Vu-Topper RM**
According to the Fourier analysis, frequencies obtained after decomposition of digital signals are _____.
Discrete

Question No:40 (Marks:1) **Vu-Topper RM**
_____ is the heart of blocking code.
Coding

Question No:41 (Marks:1) **Vu-Topper RM**
Wireless transmission can be divided into _____ broad groups.
Three

Question No:42 (Marks:1) **Vu-Topper RM**
In transmission impairments _____ noise occurs from other sourcelike
Induced

Question No:43 (Marks:1) **Vu-Topper RM**
_____ is a digital process that allows connections to share the high bandwidth of a link.
TDM

Question No:44 (Marks:1) **Vu-Topper RM**
Demultiplexer is a _____ device.
One to many

Question No:45 (Marks:1) **Vu-Topper RM**
In TDM based digital hierarchy used by the Telephone companies, DS-0 is a single digital channel of
64 kbps

Question No:46 (Marks:1) **Vu-Topper RM**
Routing is a function of _____ layer.
Network

Question No:47 (Marks:1) **Vu-Topper RM**
Low pass channel with _____ bandwidth is not real and is used for theoretical modeling
Narrow

Question No:48 (Marks:1) **Vu-Topper RM**
Unit of phase is _____.
Degree

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:49 (Marks:1) **Vu-Topper RM**
BFSK stands for_____
Binary Frequency Sift Key

Question No:50 (Marks:1) **Vu-Topper RM**
_____ is NOT an example of connecting device.
TCP

Question No:51 (Marks:1) **Vu-Topper RM**
Parabolic antenna is used for_____ communication.
Microwave

Question No:52 (Marks:1) **Vu-Topper RM**
Token Ring was devised by_____
IBM

Question No:53 (Marks:1) **Vu-Topper RM**
Induced noiseCable TV networks use_____ cables.
Coaxial

Question No:54 (Marks:1) **Vu-Topper RM**
_____ signal is represented by the discrete values.
Digital

Question No:55 (Marks:1) **Vu-Topper RM**
Electromagnetic waves ranging in frequencies between 3 kHz and 1 GHz are called_____
Radio waves

Question No:56 (Marks:1) **Vu-Topper RM**
Most commonly used connector for twisted pair cable is _____
RJ-45

Question No:57 (Marks:1) **Vu-Topper RM**
Binary Amplitude Shift Keying is also called as:
On-Off Keying

Question No:58 (Marks:1) **Vu-Topper RM**
_____ is a multiplexing technique which shifts each signal to a different carrier frequency.
FDM

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:59 (Marks:1) **Vu-Topper RM**
Entire band in United States is regulated by _____ authorities.
FCC

Question No:60 (Marks:1) **Vu-Topper RM**
in NRZ-1 the signal is inverted if _____ is encountered.
1

Question No:61 (Marks:1) **Vu-Topper RM**
_____ Protocol suite is being used by the modern internet communication.
TCP/IP

Question No:62 (Marks:1) **Vu-Topper RM**
In _____ signal changes its shape or form.
Distortion

Question No:63 (Marks:1) **Vu-Topper RM**
At the application layer, object/information is in the form of _____.
Message

Question No:64 (Marks:1) **Vu-Topper RM**
_____ is the first step in PCM technique
Sampling

Question No:65 (Marks:1) **Vu-Topper RM**
A frequency is called ____ if sine wave does not change with time
Zero frequency

Question No:66 (Marks:1) **Vu-Topper RM**
Open system interconnection (OSI) has __ number of layers
7

Question No:67 (Marks:1) **Vu-Topper RM**
 $N = S * r$ is the formula for finding
Baud rate

Question No:68 (Marks:1) **Vu-Topper RM**
Unit of phase is _____.
Degree

Question No:69 (Marks:1) **Vu-Topper RM**
In context of bandwidth-delay product the cross section of the pipe represents the
_____.
Bandwidth

For More Help Vu-Topper RM Contact What's app 03224021365

- Question No:70** (Marks:1) **Vu-Topper RM**
OSI stands for _____.
Open system interconnection
- Question No:71** (Marks:1) **Vu-Topper RM**
Writing used for transmission modes depends upon _____.
Data stream
- Question No:72** (Marks:1) **Vu-Topper RM**
Minimum bandwidth required for Manchester line coding scheme is _____.
1Mhz
- Question No:73** (Marks:1) **Vu-Topper RM**
A twisted pair cable consists of _____ conductors
2
- Question No:74** (Marks:1) **Vu-Topper RM**
Packets travel in ____ layer of TCP/IP protocol suit
Network
- Question No:75** (Marks:1) **Vu-Topper RM**
_____ protocol suit is being used by the modern internet communication
TCP/IP
- Question No:76** (Marks:1) **Vu-Topper RM**
Frames travel in _____ layer of TCP/IP Protocol suite.
Data link
- Question No:77** (Marks:1) **Vu-Topper RM**
There are __ common scrambling technique
Two
- Question No:78** (Marks:1) **Vu-Topper RM**
FSK stands for _____.
Frequency shift keying
- Question No:79** (Marks:1) **Vu-Topper RM**
RG-11 having impedance of 50 ohm is used in _____ Ethernet
Thin
- Question No:80** (Marks:1) **Vu-Topper RM**
Switch is a _____ layer devices
Data link

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:81 (Marks:1) **Vu-Topper RM**
In PCM technique Quantization is an _____ process
Un-balanced

Question No:82 (Marks:1) **Vu-Topper RM**
The layer of TCP/IP protocol suite which is on the top is known as _____
layer.
Application

Question No:83 (Marks:1) **Vu-Topper RM**
Manchester encoding scheme uses and inversion at the _____ of each bit
Middle

Question No:84 (Marks:1) **Vu-Topper RM**
High-Level Data Link Control(HDLC) defines _____ types of frames to deal with
the transfer modes.
3

Question No:85 (Marks:1) **Vu-Topper RM**
_____ are used to transport user data and control information relating to user
data
Information frames

Question No:86 (Marks:1) **Vu-Topper RM**
_____ are used to exchange session management and control information
between connected devices.
U-frames

Question No:87 (Marks:1) **Vu-Topper RM**
The _____ is the number of signal elements sent per unit time.
Bit rate

Question No:88 (Marks:1) **Vu-Topper RM**
Error correction is more _____ than the error detection
Difficult

Question No:89 (Marks:1) **Vu-Topper RM**
One of the most common protocols for point-to-point access is _____.
PPP

Question No:90 (Marks:1) **Vu-Topper RM**
Traditionally MANs have been implemented using one of the 2 technologies,
Circuit Switching and Packet Switching
False

For More Help Vu-Topper RM Contact What's app 03224021365

- Question No:91** (Marks:1) **Vu-Topper RM**
Which one is not the function of data link layer?
Line discipline
- Question No:92** (Marks:1) **Vu-Topper RM**
_____ is not a function of Data Link Control.
Modulation
- Question No:93** (Marks:1) **Vu-Topper RM**
The _____ protocol uses both flow and error control.
Stop-and-Wait
- Question No:94** (Marks:1) **Vu-Topper RM**
WDM stands for _____.
Wave Division Multiplexing
- Question No:95** (Marks:1) **Vu-Topper RM**
In circuit switched networks we have low efficiency but minimal _____.
Delay
- Question No:96** (Marks:1) **Vu-Topper RM**
Digital signals are referred to be _____.
Discrete
- Question No:97** (Marks:1) **Vu-Topper RM**
The original Ethernet technology with the data rate of 10 Mbps is called _____.
Standard Ethernet
- Question No:98** (Marks:1) **Vu-Topper RM**
The extra bits added with the original data for error detection/correction are called _____.
Redundant bits
- Question No:99** (Marks:1) **Vu-Topper RM**
In _____, each station sends a frame whenever it has a frame to send.
Slotted ALOHA
- Question No:100** (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

For More Help Vu-Topper RM Contact What's app 03224021365

- Question No:101** (Marks:1) **Vu-Topper RM**
What is the period of a Sine wave having frequency of 5 Hz?
0.2
- Question No:102** (Marks:1) **Vu-Topper RM**
In Pure ALOHA, the vulnerable time is _____ the frame transmission time.
Two times
- Question No:103** (Marks:1) **Vu-Topper RM**
Analog refers to something that is continuous in _____.
Time
- Question No:104** (Marks:1) **Vu-Topper RM**
_____ encoding is almost obsolete today
Unipolar
- Question No:105** (Marks:1) **Vu-Topper RM**
Which of the following is most affected by noise?
ASK
- Question No:106** (Marks:1) **Vu-Topper RM**
_____ is sometimes called the bit rate.
Data rate
- Question No:107** (Marks:1) **Vu-Topper RM**
_____ contains a repeater.
Active hub
- Question No:108** (Marks:1) **Vu-Topper RM**
Asynchronous transmission is _____.
Slow
- Question No:109** (Marks:1) **Vu-Topper RM**
In ASK, both _____ and _____ remain constant.
Frequency, Phase
- Question No:110** (Marks:1) **Vu-Topper RM**
We can have _____ different groups with a 4 bit block.
8
- Question No:111** (Marks:1) **Vu-Topper RM**
DLC in Data Link Layer stands for _____.
Data Link Control

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:112 (Marks:1) **Vu-Topper RM**
In _____, each station is allocated a time slot during which it can send data.
TDMA

Question No:113 (Marks:1) **Vu-Topper RM**
Asynchronous TDM is efficient only when the size of the time slot is kept relatively _____.
Large

Question No:114 (Marks:1) **Vu-Topper RM**
Human voice is example of _____ signal
Analog

Question No:115 (Marks:1) **Vu-Topper RM**
Normally the value of Kmax in pure ALOHA is _____.
15

Question No:116 (Marks:1) **Vu-Topper RM**
YMODEM has _____ Byte of data unit.
1024

Question No:117 (Marks:1) **Vu-Topper RM**
In Block coding scheme, number of code words is always _____ data words.
Equal to

Question No:118 (Marks:1) **Vu-Topper RM**
Which one of the following is not a Channelization Protocol?
CSMA

Question No:119 (Marks:1) **Vu-Topper RM**
The most common type of connector used by coaxial cable is _____.
BNC

Question No:120 (Marks:1) **Vu-Topper RM**
_____ is an Authentication Protocol, which uses two-step process to authenticate user information.
PAP

Question No:121 (Marks:1) **Vu-Topper RM**
The transmission medium that carries the message is referred to as the _____.
Communication channel

For More Help Vu-Topper RM Contact What's app 03224021365

Question No:122

(Marks:1)

Vu-Topper RM

Which error detection method uses one's complement arithmetic
Checksum

Question No:123

(Marks:1)

Vu-Topper RM

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

Question No:124

(Marks:1)

Vu-Topper RM

There are _____ types of serial transmission
2

Question No:125

(Marks:1)

Vu-Topper RM

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

Question No:126

(Marks:1)

Vu-Topper RM

_____ relatively measures the strength of two signals.
Decibel

For More Help Vu-Topper RM Contact What's app 03224021365