

Professional Online Academy Vu Topper RM



CS610-Computer Network

Update MCQ'S Final Term

By Vu Topper RM



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Question No:1

(Marks:1)

Vu-Topper RM

The process of using a routing table to select a next hop for a given datagram is called _____.

- A. Encapsulation
- B. Reassembling
- C. None of the given

D. Routing or forwarding

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Question No:2

(Marks:1)

Vu-Topper RM

TCP uses _____ format for all messages.

A. Single

Page 128

- B. Double
- C. Multiple
- D. None of the given

Question No:3

(Marks:1)

Vu-Topper RM

A popular use of _____ is TCP Splicing. It interconnects two independent TCP connections and performs segment rewriting.

A. NAT

B. NAPT

Page 131

- C. Twice NAT
- D. All of these

Question No:4

(Marks:1)

Vu-Topper RM

OSPF includes _____ address mask with each address.

A. 30-bit

B. 32-bit

Page 140

- C. 34-bit
- D. 36-bit

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Question No:5

(Marks:1)

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Routing refers to the _____ of routing information.

A. Propagation

Page 133

B. Transmission

C. Communication

D. None of the given

Question No:6

(Marks:1)

Vu-Topper RM

OSPF is based on-----

A. Link state routing

Page 140

B. Path vector routing

C. Distance vector routing

D. Distance vector routing and Link state routing

Question No:7

(Marks:1)

Vu-Topper RM

In IP routing, forwarding refers to _____ transfer.

A. Packet

B. Message

C. Datagram

Google

D. None of the given

Question No:8

(Marks:1)

Vu-Topper RM

To save traffic, an EGP does not summarize routing information from the autonomous system before passing it to another autonomous system.

False

Page 329

True

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Question No:9

(Marks:1)

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In TCP when a computer sends a segment, the _____ and _____ fields refer to incoming data.

- A. None of the given
- B. SEQUENCE NUMBER, WINDOW
- C. ACKNOWLEDGE NUMBER, WINDOW**
- D. ACKNOWLEDGE NUMBER, SEQUENCE NUMBER

Page 445

Question No:10

(Marks:1)

Vu-Topper RM

_____ is used to attach two autonomous systems.

- A. IGP
- B. BGP
- C. EGP**
- D. None of the given

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Question No:11

(Marks:1)

Vu-Topper RM

OSPF stands for _____

- A. None of the given
- B. Open Source Path First Protocol
- C. Open Secure Path First Protocol
- D. Open Shortest Path First Protocol**

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Question No:12

(Marks:1)

Vu-Topper RM

The Border Gateway Protocol (BGP) uses _____ for all communication

- A. TCP**
- B. UDP
- C. UDP and TCP
- D. None of the given

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Question No:13

(Marks:1)

Vu-Topper RM

EGPs stand for _____

- A. None of the given
- B. Extra Gateway Protocols
- C. External Gateway Protocols

D. Exterior Gateway Protocols

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Question No:14

(Marks:1)

Vu-Topper RM

Twice NAT is another variant of NAT. it is used with site that runs server. In this process NAT box is connected to Domain Name.

True

Page 131

False

Question No:15

(Marks:1)

Vu-Topper RM

In _____ routing, the table is initialized when system boots and there is no further changes.

A. Static **Page 133**

- B. Dynamic
- C. Both Static, Dynamic
- D. None of these

Question No:16

(Marks:1)

Vu-Topper RM

_____ identifies the application program that sent the data.

A. Source port

Page 445

- B. Logical address
- C. Destination Port
- D. None of the given

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Question No:17

(Marks:1)

Vu-Topper RM

TCP uses the term segment to refer to a _____.

A. Packet

B. Message **Page 128**

C. both (a) and (b)

D. None of the given

Question No:18

(Marks:1)

Vu-Topper RM

All routers within a group exchange routing information.

True **Page 135**

False

Question No:19

(Marks:1)

Vu-Topper RM

NAT software does not allow a PC to connect with the Internet and act as a NAT device at the same time.

False **Page 132**

True

Question No:20

(Marks:1)

Vu-Topper RM

Which of the following is an exterior routing protocol?

A. RIP

B. BGP **Google**

C. OSPE

D. RIP and OSPF

Question No:21

(Marks:1)

Vu-Topper RM

Autonomous System chooses a routing protocol to exchange routing information which is passed before being summarized to another group.

True **Page 135**

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False

Question No:22

(Marks:1)

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OSPF doesn't allow a router to introduce routes learned from another means.

False

Google

True

Question No:23

(Marks:1)

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_____ protocol uses distance vector algorithm.

A. RIP

Page 139

B. IGP

C. BGP

D. None of the given

Question No:24

(Marks:1)

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_____ can be used to propagate information about remote networks.

A. Static routing

B. Dynamic routing

Page 134

C. Address resolution

D. None of the given

Question No:25

(Marks:1)

Vu-Topper RM

NAT stands for _____

A. None of the given

B. Network Address Test

C. Network Address Translation

Page 128

D. Network Address Transmission

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Question No:26

(Marks:1)

Vu-Topper RM

EGP stands for _____

- A. None of the given
- B. Extra Gateway Protocols
- C. External Gateway Protocols

D. Exterior Gateway Protocols

Page 135

Question No:27

(Marks:1)

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Which of the following are interior routing protocols?

A. RIP

Page 138

B. BGP

C. OSPF

D. RIP and OSPF

Question No:28

(Marks:1)

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A standard protocol exists that allows a host to inform a nearby router whenever the host needs to join or leave a particular multicast group is known as _____.

A. ICMP

B. SNMP

C. IGMP

Page 142

D. None of the given

Question No:29

(Marks:1)

Vu-Topper RM

Which of the following protocols provide the routing information at the autonomous system level?

A. RIP

B. BGP

Page 136

C. OSPF

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D. RIP and OSPF

Question No:30

(Marks:1)

Vu-Topper RM

Which of the following protocols allows the sender and receiver to enforce policies.

A. RIP

B. BGP **Page 347**

C. OSPF

D. RIP and OSPF

Question No:31

(Marks:1)

Vu-Topper RM

In dynamic routing, the routing table is initialized when system boots.

True **Page 134**

False

Question No:32

(Marks:1)

Vu-Topper RM

Network Address and Port Translation (NAPT) is by far the most popular form of _____

A. None of the given

B. Network Address Test

C. Network Address Translation **Page 128**

D. Network Address Transmission

Question No:33

(Marks:1)

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NAT device stores state information in translation table.

True **Page 130**

False

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Question No:34

(Marks:1)

Vu-Topper RM

IETF stands for _____

- A. None of the given
- B. Internal Efficient Task Force
- C. Internet Engineering Task Force**
- D. Internet Engineering Technical Force

Google

Question No:35

(Marks:1)

Vu-Topper RM

NAPT stands for _____

- A. None of the given
- B. Network Address and Port Translation**
- C. Network Address and Packet Translation
- D. Network Address and Protocol Translation

Page 132

Question No:36

(Marks:1)

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_____ measures distance in network hops, where each network between the source and destination counts as single hop.

- A. RIP**
- B. BGP
- C. OSPF
- D. None of the given

Page 138

Question No:37

(Marks:1)

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A routing table contains _____

- A. All of the given
- B. The destination network ID
- C. The router ID of the next hop**
- D. The hop count to reach the network

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Question No:38

(Marks:1)

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_____ uses distance vector approach to define routing.

A. RIP

Page 332

B. BGP

C. OSPF

D. None of the given

Question No:39

(Marks:1)

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Twice NAT fails if an application uses the IP addresses instead of Domain Name.

Ture

Page 132

False

Question No:40

(Marks:1)

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OSPF has designed as an Exterior Gateway Protocol used to pass routing information among routers within an autonomous system.

True

False

Page 140

Question No:41

(Marks:1)

Vu-Topper RM

The goal of _____ is to avoid adding retransmissions to an already congested network.

A. Packet control

B. Congestion control

Page 128

C. Transmission control

D. None of the given

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Question No:42

(Marks:1)

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We use the term _____ to refer to a measure of the path that routing software use when choosing a route.

- A. Routing
- B. Switching
- C. Routing path

D. Routing metric

Page 132

Question No:43

(Marks:1)

Vu-Topper RM

_____ identifies which application program on receiving computer should receive the data

- A. Source port
- B. Logical address

C. Destination Port

Page 445

D. None of the given

Question No:44

(Marks:1)

Vu-Topper RM

Interior Gateway Protocols (IGPs) and Exterior Gateway Protocols (EGPs) two broad classes of Internet Routing Protocol.

True

False

Question No:45

(Marks:1)

Vu-Topper RM

Which of the following protocol uses UDP for all message transmission?

A. RIP

B. BGP

C. OSPF

D. None of the given

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Question No:46

(Marks:1)

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Network Address Translation (NAT) requires device to perform packet translation.

True

Page 128

False

Question No:47

(Marks:1)

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OSPF uses _____

A. Imported routes

B. Link-state routing

Page 140

C. Multi-state routing

D. None of the given

Question No:48

(Marks:1)

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An area is -----

A. A collection stub area

My Point Of View

B. Another term of an internet

C. Composed of at least two As's

Question No:49

(Marks:1)

Vu-Topper RM

Dotted decimal notation is a syntactic form the IP software uses to express _____ binary values when interacting with humans.

A. 8-bit

B. 16-bit

C. 32-bit

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D. 64-bit

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Question No:50

(Marks:1)

Vu-Topper RM

There are _____ possibilities to detect the destination using Trace-route

A. 2 Page 118

B. None

C. 3

D. 1

Question No:51

(Marks:1)

Vu-Topper RM

TTL stands for _____

A. Time to live Page 105

B. Time to learn

C. Time to leave

D. None of the given

Question No:52

(Marks:1)

Vu-Topper RM

H.LEN shows the header length in units of _____ Bits

A. 30

B. 32 Page 105

C. 34

D. None of the given

Question No:53

(Marks:1)

Vu-Topper RM

_____ Protocol provides error reporting mechanism.

E. ICMP Page 115

F. SNMP

G. IGMP

H. None of the given

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Question No:54

(Marks:1)

Vu-Topper RM

Internet protocol (IP) address version 4 is comprised of _____ bits.

- A. 8
- B. 16
- C. 32**
- D. 64

Google

Question No:55

(Marks:1)

Vu-Topper RM

IPV6 addresses are _____ bits.

- A. 32
- B. 64
- C. 128**
- D. 256

Page 111

Question No:56

(Marks:1)

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TCP provides reliable connection startup.

False

Page 123

True

Question No:57

(Marks:1)

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_____ is a technique used to Limit datagram size to small MTU of any network.

- A. Segmentation
- B. Encapsulation
- C. Fragmentation**
- D. None of the given

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Question No:58

(Marks:1)

Vu-Topper RM

The Current version of IP-Version 4 is _____ old

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A. 10 Year

B. 20 Year

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C. 25 Year

D. 30 Year

Question No:59

(Marks:1)

Vu-Topper RM

The protocol address of the next hop must be _____ to an equivalent hardware address before a packet can be sent.

A. Encrypted

B. Decrypted

C. Translated

Page 93

D. Segmented

Question No:60

(Marks:1)

Vu-Topper RM

Preliminary version of IP was called _____.

A. IP – Net Generation (IPng)

B. IP – New Generation (IPng)

C. None of the given

D. IP – Next Generation (IPng)

Page 110

Question No:61

(Marks:1)

Vu-Topper RM

One of the parameters, which motivated IP for change is address space.

The _____ address space allows for over a million networks. But most networks are class C and too small for many organizations.

A. 16-bit

B. 32-bit

Page 110

C. 64-bit

D. 128-bit

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Question No:62

(Marks:1)

Vu-Topper RM

_____ protocols of TCP/IP layering model specify how to organize data into frame and how a computer transmits frames over a network.

- A. Session
- B. Internet Layer
- C. Network interface layer**
- D. Internet Layer

Question No:63

(Marks:1)

Vu-Topper RM

All of the given options are the types of delay except _____.

- A. Propagation
- B. Access
- C. Throughput**
- D. Queuing

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Question No:64

(Marks:1)

Vu-Topper RM

_____ provides computer to computer communication.

- A. IP**
- B. TCP
- C. IGMP
- D. ICMP

Page 119

Question No:65

(Marks:1)

Vu-Topper RM

UDP datagram format is _____ bits.

- A. 8
- B. 16
- C. 32**
- D. 64

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Question No:66

(Marks:1)

Vu-Topper RM

Routers use _____ to forward datagrams along prearranged path.

A. Flow label **Page 111**

B. Traffic class

C. Destination address

D. None of the given

Question No:67

(Marks:1)

Vu-Topper RM

MTU Stands for _____

A. Multicast transmission unit

B. Minimum transmission unit

C. None of the given

D. Maximum transmission unit **Page 107**

Question No:68

(Marks:1)

Vu-Topper RM

TCP achieves _____ by retransmission.

A. Accuracy

B. Efficiency

C. Reliability **Page 125**

D. None of the given

Question No:69

(Marks:1)

Vu-Topper RM

which is not the type of error messages defined by ICMP.

A. Source quench

B. Time exceeded

C. None of the given **Page115**

D. Destination unreachable

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Question No:70

(Marks:1)

Vu-Topper RM

A separate _____ table is used for each physical network.

- A. Checksum
- B. CRC
- C. Bit-binding
- D. Address-binding**

Page 94

Question No:71

(Marks:1)

Vu-Topper RM

_____ is used for single destination computer.

- A. Unicast**
- B. Multicast
- C. Broadcast
- D. None of the given

Page 114

Question No:72

(Marks:1)

Vu-Topper RM

_____ uses window mechanism to control the flow of data.

- A. IP
- B. TCP**
- C. UDP
- D. None of the given

Page 126

Question No:73

(Marks:1)

Vu-Topper RM

_____ of TCP/IP Protocol Suit specifies the format of packets sent across Internet as well as the mechanisms used to forward packets.

- A. Physical Layer
- B. Transport Layer
- C. Data Link Layer
- D. Internet Layer**

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Question No:74

(Marks:1)

Vu-Topper RM

_____ Serve Same purpose in Internet as frames on LAN

- A. Packet
- B. Virtual frames
- C. Both

D. Virtual Packets

Page 101

Question No:75

(Marks:1)

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UDP provides connection-oriented service.

True

False

Page 120

Question No:76

(Marks:1)

Vu-Topper RM

In TCP/IP, _____ provides reliable transport service.

- A. IP
- B. TCP**
- C. Both IP and TCP
- D. None of the given

Page 123

Question No:77

(Marks:1)

Vu-Topper RM

Every hardware technology specification includes the definition of the maximum size of the frame data area, which is called the _____

Transmission Unit.

- A. Least
- B. Frame
- C. Fragment

D. Maximum

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Question No:78

(Marks:1)

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Dotted decimal represents each octet in _____ and uses a dot to separate octets.

A. Octal

B. binary

C. Decimal Page 87

D. hexadecimal

Question No:79

(Marks:1)

Vu-Topper RM

TCP connections are not called Virtual connections.

True

False Page 123

Question No:80

(Marks:1)

Vu-Topper RM

_____ field of header indicates whether a datagram is a fragment or a complete datagram.

A. FLAGS Page 373

B. None of the given

C. IDENTIFICATION

D. FRAGMENT OFFSET

Question No:81

(Marks:1)

Vu-Topper RM

Fragmentation when using ICMP for path MTU should be avoided.

True Page 118

False

Question No:82

(Marks:1)

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_____ is a type of address used for collection of computers with same prefix.

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A. Unicast

B. Cluster

Page 114

C. Multicast

D. None of these

Question No:83

(Marks:1)

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In Closed-form computation, the protocol address assigned to a computer is chosen carefully so that computer's hardware address can be computed from the protocol address using basic Boolean and _____ operations.

A. XOR

B. Shift

C. XNOR

D. Arithmetic

Page 94

Question No:84

(Marks:1)

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End to End delivery Service of IP datagram is _____

A. Connectionless

Page 101

B. Connection oriented

C. Both

D. None of the given

Question No:85

(Marks:1)

Vu-Topper RM

The Header format of IPv6 is entirely different.

True

Page 111

False

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Question No:86

(Marks:1)

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Address mask defines how many bits of address are in prefix.

True Page 103

False

Question No:87

(Marks:1)

Vu-Topper RM

As the Internet grew, the original Classful addressing scheme became a limitation. The IP address space was being exhausted because all networks had to choose one of _____ possible sizes.

A. One

B. Two

C. Four

D. Three Page 90

Question No:88

(Marks:1)

Vu-Topper RM

When there is heavy traffic on the network, the queuing time is

_____.

A. Zero

B. Fixed

C. Increased Google

D. Decreased

Question No:89

(Marks:1)

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_____ are two standard implementations to improve computational efficiency.

A. Hashing and Direct indexing Page 94

B. Segmentation and Fragmentation

C. Queuing and Packetizing

D. Indexing and Framing

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Question No:90

(Marks:1)

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NEXT HEADER field in the base header defines type of header it appears at the end of fixed-size base header.

True Page 112

False

Question No:91

(Marks:1)

Vu-Topper RM

The IP class scheme does not divide the _____ address space into equal size class and the classes do not contain the same number of networks.

- A. 8-bit
- B. 16-bit
- C. 32-bit Page 88**
- D. 64-bit

Question No:92

(Marks:1)

Vu-Topper RM

A network with _____ jitter takes more time to deliver some packets than others.

- A. Zero
- B. High Page 80**
- C. Low
- D. Moderate

Question No:93

(Marks:1)

Vu-Topper RM

The UDP stands for _____.

- A. None of the given
- B. User Datagram Protocol Page 119**
- C. United Datagram Protocol
- D. Universal Datagram Protocol

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Question No:94

(Marks:1)

Vu-Topper RM

_____ layer Provides reliable delivery of datagram.

A. Network

B. Transport

Page 104

C. Data link

D. None of the given

Question No:95

(Marks:1)

Vu-Topper RM

The Universal Datagram Protocol is a message-oriented protocol.

True

Google

False

Question No:96

(Marks:1)

Vu-Topper RM

TCP stands for _____

A. None of the given

B. Terminal control protocol

C. Transport control protocol

D. Transmission control protocol

Page 123

Question No:97

(Marks:1)

Vu-Topper RM

Mapping between a protocol address and a hardware address is called

_____.

A. Segmentation

B. Hashing

C. Fragmentation

D. Address Resolution

Page 93

Question No:98

(Marks:1)

Vu-Topper RM

Reliability is not the responsibility of the Transport layer.

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True

False **Page 123**

Question No:99

(Marks:1)

Vu-Topper RM

_____ encapsulates IP datagram as data area in hardware frame.

- A. Datalink Layer
- B. Network Layer
- C. None of the given

D. Network Interface Layer **Page 106**

Question No:100

(Marks:1)

Vu-Topper RM

_____ sends ICMP echo messages with increasing TTL.

- A. Ping
- B. Tracert** **Page 118**
- C. Trace route
- D. None of the given

Question No:101

(Marks:1)

Vu-Topper RM

_____ is less complex and easy to understand.

- A. IP
- B. TCP
- C. UDP** **Page 120**
- D. None of the given

Question No:102

(Marks:1)

Vu-Topper RM

UDP packet is encapsulated in _____ datagram.

- A. IP** **Page 122**
- B. TCP
- C. TCP/IP

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D. None of the given

Question No:103

(Marks:1)

Vu-Topper RM

Inside a computer, each address mask is stored as a _____-bit value.

A. 32 **Page 91**

B. 16

C. 48

D. 64

Question No:104

(Marks:1)

Vu-Topper RM

ICMP message transport is acted upon by getting ICMP _____ in IP.

A. Segmented

B. Encapsulated **Page 117**

C. De-encapsulated

D. None of the given

Question No:105

(Marks:1)

Vu-Topper RM

Class A mask is 255.0.0.0 which is used for _____

A. Subnetting **Page 103**

B. Unicasting

C. Multicasting

D. All of the given option

Question No:106

(Marks:1)

Vu-Topper RM

For _____, information about forwarding is stored in a routing table, which is initialized at system initialization and must be updated as network topology changes.

A. Security

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B. Accuracy

C. Efficiency Page 102

D. Anomalies

Question No:107

(Marks:1)

Vu-Topper RM

The amount of buffer space available at any time is called the window.

True Page 126

False

Question No:108

(Marks:1)

Vu-Topper RM

_____ protocols of TCP/IP layering model specify how to ensure reliable transfer.

A. Physical Layer

B. Internet Layer

C. Network Interface Layer

D. Transport Layer Page 84

Question No:109

(Marks:1)

Vu-Topper RM

In the IP address _____ identifies the physical network to which the computer is attached.

A. Mux

B. Surffix

C. Demux

D. Prefix Page 85

Question No:110

(Marks:1)

Vu-Topper RM

_____ is the rate at which data can be sent through the network.

A. Throughput Page 79

B. Propagation delay

C. Access delay

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D. Switching delay

Question No:111

(Marks:1)

Vu-Topper RM

Header contains all information needed to deliver datagram to the destination computer. But which one of the following is not included:

A. Rectifier **Page 102**

B. Source address

C. Destination address

D. Other delivery information

Question No:112

(Marks:1)

Vu-Topper RM

System rebooting is one of the major problems in the reliable delivery

True **Page 124**

False

Question No:113

(Marks:1)

Vu-Topper RM

The maximum segment size of TCP flow control is _____

A. 1000 octets **Page 126**

B. 2000 octets

C. 3000 octets

D. 4000 octets

Question No:114

(Marks:1)

Vu-Topper RM

TCP/IP defines the term _____ to refer any computer system that connects to a network and runs applications for users.

A. Router

B. Switch

C. Host computer **Page 84**

D. Bridge

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Question No:115

(Marks:1)

Vu-Topper RM

Twice NAT requires the DNS to interact with the NAT device.

True **Page 132**

False

Question No:116

(Marks:1)

Vu-Topper RM

UDP follows four types of interactions.

True **Page 121**

False

Question No:117

(Marks:1)

Vu-Topper RM

_____ protocol uses three way handshake to begin a connection.

A. IP

B. TCP **Page 127**

C. UDP

D. none of the given

Question No:118

(Marks:1)

Vu-Topper RM

Twice NAT allows a site to run servers.

True **Page 132**

False

Question No:119

(Marks:1)

Vu-Topper RM

UDP uses best-effort delivery service.

True **Page 120**

False

Question No:120

(Marks:1)

Vu-Topper RM

In the IP address _____ identifies an individual computer on the network.

A. Suffix **Page 85**

B. Mux

C. Prefix

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D. Demux

Question No:121

(Marks:1)

Vu-Topper RM

VPNs connections are sometimes called _____.

A. Tunnels

Page 75

B. Open networking

C. Routing

D. Public network

Question No:122

(Marks:1)

Vu-Topper RM

Address Resolution Protocol is mostly used to bind a 32-bit IP address to a _____ Ethernet address.

A 16-bit

B 48-bit

C. 64-bit

D. 84-BIT

Question No:123

(Marks:1)

Vu-Topper RM

_____ message is sent in response to incoming datagrams with problems.

A. TCP/IP

B. IGMP

C. ICMP

Page 117

D. None of the given

Question No:124

(Marks:1)

Vu-Topper RM

TCP/IP protocol suit defines the basic characteristics of network hardware.

A. Physical Layer

B Data Link Layer

C Internet Layer

D. Transport Layer

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Question No:125

(Marks:1)

Vu-Topper RM

The identifier that is used for data transfer in the virtual circuit network is called _____.

A. Virtual circuit identifier

Google

B. Global address

C. Network identifier

D. IP identifier

Question No:126

(Marks:1)

Vu-Topper RM

Which types of VPNs are used for corporate connectivity across companies residing in different geographical locations?

A. Remote access VPNs

B. Peer-to-peer VPNs

C. Country-to-country VPNs

D. Site-to-site VPNs

Google

Question No:127

(Marks:1)

Vu-Topper RM

TCP is a _____ protocol.

A. Multi-Point

B. Point-to-Point

Page 123

C. Both

D. None of the given

Question No:128

(Marks:1)

Vu-Topper RM

Which one is NOT the function of ping program

A. Reachability

B. Traceability

Page 117

C. Both

D. None of the given

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Question No:129

(Marks:1)

Vu-Topper RM

_____ contains all information needed to deliver datagram to the destination.

A. Header Page 102

B. Identifier

C. Data Area

D. None of the given

Question No:130

(Marks:1)

Vu-Topper RM

_____ shows senders preference for low latency, high Reliability.

A. TYPE

B. SERVICE TYPE Page 105

C. SERVICE PRIORITY

D. None of the given

Question No:131

(Marks:1)

Vu-Topper RM

IP datagram can contains _____ octets.

A. 1-65.536

B. 0-65.535

C. 1-65.535 Page 105

D. None of the given

Question No:132

(Marks:1)

Vu-Topper RM

IPV6 address consists of _____

A. 32-bit

B. 64-bit

C. 128 bits Page 111

D. 182-bit

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Question No:133

(Marks:1)

Vu-Topper RM

The Source can configure outgoing datagram's to avoid _____

- A. Segmentation
- B. Fragmentation**
- C. Defragmentation
- D. None of the given

Page 118

Question No:134

(Marks:1)

Vu-Topper RM

Due to revolutionalization of IP-V6 the speed has increased from _____

- A. 56kbps to 1gbps**
- B. 512kbps to 1gbps
- C. 56kbps to 512kbps
- D. None of the given

Page 110

Question No:135

(Marks:1)

Vu-Topper RM

The time for acknowledgement to arrive depends on _____

- A. Distance to destination
- B. Current traffic conditions
- C. Both a and b**
- D. None of the given

Page 125

Question No:136

(Marks:1)

Vu-Topper RM

_____ field tells the receiver how to order fragments within a given datagram.

- A. FLAGS
- B. IDENTIFICATION
- C. FRAGMENT OFFSET**
- D. None of the given

Page 375

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Question No:137

(Marks:1)

Vu-Topper RM

IPv6 _____ is responsible for fragmentation. Routers simply drop datagram's larger than network

A. Source Page 113

B. Medium

C. Destination

D. Intermediate routers

Question No:138

(Marks:1)

Vu-Topper RM

_____ Source is responsible for fragmentation.

A. IPV4

B. IPV6 Page 103

Question No:139

(Marks:1)

Vu-Topper RM

In IPV6 the 128 bit addresses unwidely in dotted decimal;requires _____ numbers.

A. 12

B. 14

C. 16 Page 114

D. None of the given

Question No:140

(Marks:1)

Vu-Topper RM

IPV6 128 bits address includes network prefix and _____

A. Host Suffix Page 114

B. Host prefix

C. Source Prefix

D. None of the given

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Question No:141

(Marks:1)

Vu-Topper RM

Postfix defines how much of address used to identify network.

Ture

False

Page 103

Question No:142

(Marks:1)

Vu-Topper RM

The process of learning the path MTU is known as path MTU discovery.

True

Page 114

False

Question No:1

(Marks:1)

Vu-Topper RM

_____ is used for typical data applications (where the data rate may be unknown and bursty) and allows use of whatever bandwidth is available at a given time.

A. Variable Bit Rate (VBR) service

B. Constant Bit Rate (CBR) service

C. Available Bit Rate (ABR) service

Page 71

D. None of the given

Question No:143

(Marks:1)

Vu-Topper RM

Connection-oriented service, Point-to-point, Complete reliability, Full-duplex communication, Stream interface, Reliable connection startup and Graceful connection shutdown are the services provided by.

A. IP

B. TCP

Page 123

C. Both

D. None of the given

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Question No:144

(Marks:1)

Vu-Topper RM

The term self-identifying is used for Classful IP addresses because the class of the address can be computed from the address

A. Itself

Page 87

B. Suffix

C. Mask

D. Prefix

Question No:145

(Marks:1)

Vu-Topper RM

In which method of Address Resolution Protocol the protocol address independent of hardware address? Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

A. C

B. D

C. T, C

D. T, D

Page 97

Question No:146

(Marks:1)

Vu-Topper RM

In which method of Address Resolution Protocol the protocol address is determined by hardware address? Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

A. A

B. B

C. C

Page 97

D. D

Question No:147

(Marks:1)

Vu-Topper RM

provide Application to application communication it also called end to end communication

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A. IP

B. TP **Page 119**

C. RIP

D. None of the given

Question No:148

(Marks:1)

Vu-Topper RM

Router detects datagram ----- than network

A. MTU

B. Larger **Page 108**

C. Smaller

D. None of the given

Question No:149

(Marks:1)

Vu-Topper RM

Basic LAN technologies such as Ethernet, Token Ring, and FDDI use a.

A. Connectionless service paradigm **Page 112**

B. Connection-oriented service paradigm

C. Both Connectionless and Connection-oriented service paradigm

D. None of the given

Question No:150

(Marks:1)

Vu-Topper RM

places the boundary between the third and fourth octets.

A. Class A

B. Class B

C. Class C **Page 88**

D. Class D

Question No:151

(Marks:1)

Vu-Topper RM

Which method of Address Resolution Protocol requires hardware

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broadcast? Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

A. C

B. D **Page 97**

C. T

D. D, C

Question No:152

(Marks:1)

Vu-Topper RM

masks your IP address.

A. Firewall

B. Antivirus

C. VPN **Google**

D. Incognito mode

Question No:153

(Marks:1)

Vu-Topper RM

Computer networks are often called _____ because they use packet technology.

A. Ethernet

B. Switch network

C. Packet network

D. None of the given

Question No:154

(Marks:1)

Vu-Topper RM

A Bridge forwards or filters a frame by comparing the information in its address table to the frame's

A. Layer 2 source address

B. Layer 2 destination address

C. Layer 3 destination address

D. Source node's physical address

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Question No:155

(Marks:1)

Vu-Topper RM

When an application _____ data, it makes a copy of the data available to all other computers on the network.

- A. Unicasting
- B. Multicasting
- C. Broadcasting**
- D. None of the given

Question No:156

(Marks:1)

Vu-Topper RM

Connectionless service, Message-Oriented protocol, best effort delivery service, arbitrary interaction and operating system independent are the characteristics of

- A. IP
- B. TCP
- C. UDP** **Page 120**
- D. None of the given

Question No:157

(Marks:1)

Vu-Topper RM

performs local multicast and uses IP-in-IP encapsulation to send multicast datagrams from one site on the Internet to another

- A. Core Based Trees (CBT)
- B. Distance Vector Multicast Routing Protocol** **Page 144**
- C. Protocol Independent Multicast_ Sparse Mode (PIM-SM)
- D. Protocol Independent Multicast _ Dense Mode (PIM-DM)

Question No:158

(Marks:1)

Vu-Topper RM

protocol is designed to use within an organization.

- A. OSPF
- B. MOSPF** **Page 139**

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- C. MEOSPF
- D. None of the given

Question No:159 (Marks:1) **Vu-Topper RM**
TCP uses _____ mechanism to control the flow of data.

- A. Door
- B. Window**
- C. Retransmission
- D. Acknowledgment

Page 122

Question No:160 (Marks:1) **Vu-Topper RM**
IGPs stand for.

- A. None of the given
- B. Internal Gateway Protocols
- C. Interior Gateway Protocols**
- D. Intermediate Gateway Protocols

Page 135

Question No:161 (Marks:1) **Vu-Topper RM**
protocol uses distance vector algorithm.

- A. IGP
- B. RIP**
- C. BGP
- D. None of the given

Page 139

Question No:162 (Marks:1) **Vu-Topper RM**
is ideal in a situation where the group is small and all members are attached to contiguous Local Area Networks.

A. Flood-and –Prune **Page 143**

- B. Core-Based Discovery

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- C. Configuration-and -Tunneling
- D. None of the given

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

Router that decrements TTL to sends ICMP time exceeded message, with router's address as source address

- A. 0** **Page 118**
- B. 1
- C. 2
- D. 3

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

_____ field is used to identify a specific path through the network

- A. FLOW LABEL** **Page 111**
- B. TRAFFIC CLASS
- C. Both
- D. None of the given

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

Which protocol is used to test different tools.

- A. ICMP** **Page 117**
- B. IGMP
- C. TCP/IP
- D. None of the given

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

IPV6 address with _____ leading zeros is interpreted to hold an IPV4 address.

- A. 96** **Page 114**

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- B. 100
- C. 120
- D. None of the given

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

A datagram cannot be larger than of a network over which it is sent.

- A. Size
- B. MTU** **Page 113**
- C. IP header
- D. None of the given

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

The Network Layer Protocol ICMP stands for _____

- A. Initial Control Message Protocol
- B. Instant Control Message Protocol
- C. Internet Control Message Protocol** **Page 115**
- D. None of the given

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

Address mask defines how many bits of address are in suffix?

- True
- False** **Page 103**

Question No:170 (Marks:1) **Vu-Topper RM**

Like most application programs, a client and server use a transport protocol to communicate.

- True** **Page 146**
- False

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Question No:171

(Marks:1)

Vu-Topper RM

A single networking technology is best for all needs

True

False

Page 81

Question No:172

(Marks:1)

Vu-Topper RM

Mapping between a protocol address and a hardware address is called Address Resolution.

True

Page 93

False

Question No:173

(Marks:1)

Vu-Topper RM

Although message exchange can be used to bind addresses, sending a request for each binding is hopelessly inefficient.

True

Page 99

False

Question No:174

(Marks:1)

Vu-Topper RM

A computer attached to a given network can only communicate with other computers attached to the same network. Is this a problem with multiple networks?

True

Page 81

False

Question No:175

(Marks:1)

Vu-Topper RM

UDP offers application programs a Message-Oriented Interface, applications can depend on protocol to preserve data boundaries.

True

Page 120

False

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Question No:176

(Marks:1)

Vu-Topper RM

ICMP message transport is acted upon by getting ICMP Encapsulated in IP.

True Page 117

False

Question No:177

(Marks:1)

Vu-Topper RM

HEADER LEN field gives size of extension header.

True Page 112

False

Question No:178

(Marks:1)

Vu-Topper RM

A is a special purpose system dedicated to the task of interconnecting networks

Bridge

Router Page 82

Question No:179

(Marks:1)

Vu-Topper RM

ATM assigns each VC a identifier that is divided two parts to produce a hierarchy

A. 22-bit

B. 24-bit Page 67

C. 26-bit

D. 28-bit

Question No:180

(Marks:1)

Vu-Topper RM

of TCP/IP layering model, corresponds to basic network hardware.

A. Internet Layer

B. Physical Layer Page 84

C. Transport Layer

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D. Network Interface Layer

Question No:181

(Marks:1)

Vu-Topper RM

places the boundary between the second and third octets.

A. Class A

B. Class B

Page 86

C. Class C

D. Class D

Question No:182

(Marks:1)

Vu-Topper RM

UDP and TCP are both _____ layer protocols.

A. Network

B. Physical

C. Data link

D. Transport

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