Question 1

Not yet answered

Marked out of 1.00

Default network mask for CLASS B is

Select one:

- a. 255. 255.255.0
- b. 255. 255.0.0
- c. 255. 0.0.0
- d. 255. 255.255.255

Question 2

Not yet answered

Marked out of 1.00

The first address in the block can be found by setting the rightmost 32-n bits to

Select one:

- a. combination of 0's and 1's
- b. 0's
- c. 1's
- d. null

Question 3

Not yet answered

Marked out of 1.00

FTP server listens for connection on which port number?

Select one:

- a. 21
- b. 20
- c. 22
- d. 23

Question 4

Not yet answered

Marked out of 1.00

The network address of 172. 16.0.0/19 provides how many subnets and hosts?

Select one:

- a. 8 subnets, 8,190 hosts each
- b. 7 subnets, 2,046 hosts each
- c. 8 subnets, 2,046 hosts each
- d. 7 subnets, 30 hosts each

Question 5

Not yet answered

Marked out of 1.00

Which Port facilitates network and high-speed Internet connectivity?

Select one:

- ○ **a. Firewire connector**
- ○ **b. Kettle plug**
- ○ **c. Ethernet**
- ○ **d. VGA**

Question 6

Not yet answered

Marked out of 1.00

What is the parity bit for 1001011?

Select one:

- ○ **a. 2**
- ○ **b. 1**
- ○ **c. none**
- ○ **d. 0**

Question 7

Not yet answered

Marked out of 1.00

The standard polynomial that is used by the popular protocol of Cyclic Redundancy Checking (CRC-16) for the

Select one:

- ○ **a. LANs**
- ○ **b. HDLC**
- ○ **c. ATM header**
- ○ **d. ATMAAL**

Question 8

Not yet answered

Marked out of 1.00

Which field helps to check rearrangement of the fragments?

Select one:

- ○ **a. offset**
- ○ **b. flag**
- ○ **c. identifier**
- ○ **d. ttl**

Question 9

Not yet answered

Marked out of 1.00

To detect or correct errors, we send extra bits with data is known as

Select one:

○ **a. redundancy**

○ **b. detection**

○ **c. authentication**

○ **d. correction**

Question 10

Not yet answered

Marked out of 1.00

Class C lies between

Select one:

○ **a. 0 to 127**

○ **b. 1128-19111**

○ **c. 1240-25511**

○ **d. 1192-22311**

Question 11

Not yet answered

Marked out of 1.00

Which are the features present in IPv4 but not in IPv6?

Select one:

○ **a. Header checksum**

○ **b. Anycast address**

○ **c. Fragmentation**

○ **d. Options**

Question 12

Not yet answered

Marked out of 1.00

Which of the following services use UDP?
1)DHCP

2)SMTP

3)SNMP

4)FTP

5)HTTP

6)TFTP

Select one:

○ **a. All of the above**

○ **b. 2 and 4**

○ **c. 1, 2 and 4**

○ **d. 1, 3 and 6**

Question 13

Not yet answered

Marked out of 1.00

You have an IP address of 172 .16.13.5 with a 255. 255.255.128 subnet mask. What is your class of address, subnet address, and broadcast address?

Select one:

○ **a. Class B, Subnet 172.16.0. 0, Broadcast address 172. 16.255.255**

○ **b. Class B, Subnet 172.16.13. 0, Broadcast address 172 .16.13.255**

○ **c. Class B, Subnet 172.16 .13.0, Broadcast address 172. 16.13.127**

○ **d. Class A, Subnet 172.16.13. 0, Broadcast address 172.16.13. 127**

Question 14

Not yet answered

Marked out of 1.00

If an Ethernet port on a router were assigned an IP address of 172. 16.112.1/25, what would be the valid subnet address of this host?

Select one:

○ **a. 172. 16.0.0**

○ **b. 172. 16.96.0**

○ **c. 172. 16.112.0**

○ **d. 172. 16.255.0**

Question 15

Not yet answered

Marked out of 1.00

If you wanted to have 12 subnets with a Class C network ID, which subnet mask would you use?

Select one:

○ **a. 255. 255.255.240**

○ **b. 255. 255.255.252**

○ **c. 255. 255.255.248**

○ **d. 255. 255.255.255**

Question 16

Not yet answered

Marked out of 1.00

The 14.23.120.8 address lies in which class

Select one:

○ **a. class e**

○ **b. class a**

○ **c. class d**

○ **d. class b**

Question 17

Not yet answered

Marked out of 1.00

The Internet has been using a checksum of

Select one:

○ a. 2 bit

○ b. 16 bit

○ c. 8 bit

○ d. 4 bit

Question 18

Not yet answered

Marked out of 1.00

Servers handle requests for other domains _____

Select one:

○ a. directly

○ b. by contacting remote DNS server

○ c. None of the above

○ d. it is not possible

Question 19

Not yet answered

Marked out of 1.00

What is the data transmission rate in a serial port?

Select one:

○ a. Constant

○ b. 0bps

○ c. Infinite bps

○ d. 1bps

Question 20

Not yet answered

Marked out of 1.00

Which statements are true regarding ICMP packets?
1)They acknowledge receipt of a TCP segment.

2)They guarantee datagram delivery.

3)They can provide hosts with information about network problems.

4)They are encapsulated within IP datagrams.

Select one:

○ a. 2 and 3

○ b. 3 and 4

○ c. 3 and 4

○ d. 1 only

Question 21

Not yet answered

Marked out of 1.00

What is the maximum number of IP addresses that can be assigned to hosts on a local subnet that uses the 255.255.255.224 subnet mask?

Select one:

- ○ a. 40
- ○ b. 20
- ○ c. 50
- ○ d. 30

Question 22

Not yet answered

Marked out of 1.00

The header length of an IPv6 datagram is _____

Select one:

- ○ a. 40bytes
- ○ b. 10bytes
- ○ c. 30bytes
- ○ d. 25bytes

Question 23

Not yet answered

Marked out of 1.00

Wildcard domain names start with label _____

Select one:

- ○ a. *
- ○ b. #
- ○ c. @
- ○ d. &

Question 24

Not yet answered

Marked out of 1.00

Which layer helps to understand data representation in one form on a host to other host in their native representation?

Select one:

- ○ a. Application Layer
- ○ b. Session Layer
- ○ c. Presentation Layer
- ○ d. Transport Layer

Question 25

Not yet answered

Marked out of 1.00

Which of the following describe the DHCP Discover message?
1)It uses FF:FF:FF:FF:FF:FF as a layer 2 broadcast.

2)It uses UDP as the Transport layer protocol.

3)It uses TCP as the Transport layer protocol.

4)It does not use a layer 2 destination address.

Select one:

- a. 1 only
- b. 1 and 2
- c. 3 and 4
- d. 4 only

Question 26

Not yet answered

Marked out of 1.00

In an IPv6 header, the traffic class field is similar to which field in the IPv4 header?

Select one:

- a. Fast switching
- b. Option field
- c. Fragmentation field
- d. TOS field

Question 27

Not yet answered

Marked out of 1.00

Which of the following is private IP address?

Select one:

- a. 172.15.14.36
- b. 12.0.0.1
- c. 192.168.24.43
- d. 168.172.19.39

Question 28

Not yet answered

Marked out of 1.00

A generator of a cyclic code that contains a factor of x + 1 can detect all

Select one:

- a. even number errors
- b. odd number errors
- c. multiple bit errors
- d. single bit errors

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Question 29

Not yet answered

Marked out of 1.00

Which layer helps to uniquely identify hosts beyond the subnets and defines the path which the packets will follow or be routed to reach the destination?

Select one:

○ a. Transport Layer

○ b. Network Layer

○ c. Data Link Layer

○ d. Physical Layer

Question 30

Not yet answered

Marked out of 1.00

The addresses of classes A, B and C are

Select one:

○ a. all of the above

○ b. reserved

○ c. unicast

○ d. multicast

Question 31

Not yet answered

Marked out of 1.00

What is the address range of a Class B network address in binary?

Select one:

○ a. 0xxxxxxx

○ b. 10xxxxxx

○ c. 110xxxxx

○ d. 01xxxxxx

Question 32

Not yet answered

Marked out of 1.00

Which one of the following allows client to update their DNS entry as their IP address change?

Select one:

○ a. authoritative name server

○ b. mail transfer agent

○ c. dynamic DNS

○ d. None of the above

Question 33

Not yet answered

Marked out of 1.00

What are the 3 types of IPv6 addresses?

Select one:

- ○ **a. dynamic, read-write, and read-only**
- ○ **b. link-local, site-local, and global unicast**
- ○ **c. older applications that are unable to use FQDN's**
- ○ **d. in the Start of Authority (SOA) record**

Question 34

Not yet answered

Marked out of 1.00

How many bits in the data unit have changed in a single bit error?

Select one:

- ○ **a. only 1**
- ○ **b. three bits**
- ○ **c. two bits**
- ○ **d. four bits**

Question 35

Not yet answered

Marked out of 1.00

What is the basic function of the nslookup program?

Select one:

- ○ **a. To probe the DNS database for various types of information**
- ○ **b. To look up only IP addresses in the DNS database**
- ○ **c. To look up only domain names in the DNS database**
- ○ **d. To look up only SOA records from a company's database**

Question 36

Not yet answered

Marked out of 1.00

Which is the layer of the OSI reference model that employs Error Detection?

Select one:

- ○ **a. Physical Layer**
- ○ **b. Network Layer**
- ○ **c. Data Link Layer**
- ○ **d. Session Layer**

Question 37

Not yet answered

Marked out of 1.00

The addresses in a block must be

Select one:

- ○ **a. random**
- ○ **b. contiguous**
- ○ **c. oddly arranged**
- ○ **d. repetitive**

Question 38

Not yet answered

Marked out of 1.00

The layer that transmits data in the form of bit streams using electrical and mechanical systems is ___ in the OSI model.

Select one:

- ⦿ **a. Data Link Layer**
- ○ **b. Network Layer**
- ○ **c. Physical layer**
- ○ **d. Transport Layer**

Question 39

Not yet answered

Marked out of 1.00

How can we represent the number 21 in one's complement arithmetic using only four bits?

Select one:

- ○ **a. 111**
- ○ **b. 1010**
- ○ **c. 101**
- ○ **d. 11111**

Question 40

Not yet answered

Marked out of 1.00

Your router has the following IP address on Ethernet0: 172 .16.2.1/23. Which of the following can be valid host IDs on the LAN interface attached to the router?

Select one:

- ○ **a. ii only**
- ○ **b. iii and iv only**
- ○ **c. ii and iii only**
- ○ **d. i only**

Question 41

Not yet answered

Marked out of 1.00

What is the minimum Hamming distance of the coding scheme d(OOO, 011)?

Select one:

- ○ **a. 3**
- ○ **b. 4**
- ○ **c. 2**
- ○ **d. 1**

Question 42

Not yet answered

Marked out of 1.00

HTTP is _____ protocol.

Select one:

- ⦿ **a. transport layer**
- ○ **b. data link layer**
- ○ **c. network layer**
- ○ **d. application layer**

Question 43

Not yet answered

Marked out of 1.00

You have a network that needs 29 subnets while maximizing the number of host addresses available on each subnet. How many bits must you borrow from the host field to provide the correct subnet mask?

Select one:

- ○ **a. 3**
- ○ **b. 2**
- ○ **c. 5**
- ○ **d. 4**

Question 44

Not yet answered

Marked out of 1.00

What is the default Port Number for HTTP?

Select one:

- ○ **a. 21**
- ○ **b. 70**
- ⦿ **c. 80**
- ○ **d. 443**

Question 45

Not yet answered

Marked out of 1.00

Which of the following services use TCP?
1) DHCP

2) SMTP

3) HTTP

4) TFTP

5) FTP

Select one:

- ○ **a. 1 and 2**
- ○ **b. 1, 2 and 4**
- ○ **c. 1, 3 and 4**
- ○ **d. 2, 3 and 5**

Question 46

Not yet answered

Marked out of 1.00

Bits can be send over guided and unguided media as analog signal by

Select one:

○ **a. amplitude modulation**

○ **b. phase modulation**

○ **c. digital modulation**

○ **d. frequency modulation**

Question 47

Not yet answered

Marked out of 1.00

Which of the following is the function of port in computer networks?

Select one:

○ **a. Find end points**

○ **b. Find connections**

◉ **c. All the above**

○ **d. Find routes**

Question 48

Not yet answered

Marked out of 1.00

How fast can an Ethernet port transmit data?

Select one:

○ **a. 10 GMb to 1000 Mb**

○ **b. 100 Mb to 1000 Mb**

○ **c. 1000 Mb to 10000 Mb**

○ **d. 10 Mb to 1000 Mb**

Question 49

Not yet answered

Marked out of 1.00

You need to subnet a network into 5 subnets, each with at least 16 hosts. Which classful subnet mask would you use?

Select one:

○ **a. 255. 255.255.240**

○ **b. 255 .255.255.224**

○ **c. 255 .255.255.192**

○ **d. 255 .255.255.248**

Question 50

Not yet answered

Marked out of 1.00

If the value in protocol field is 17, the transport layer protocol used is _____

Select one:

- ○ **a. UDP**
- ○ **b. TCP**
- ○ **c. IGMP**
- ○ **d. ICMP**

Quiz Navigation

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