

Question 1:

Which of the following is a valid IP address?

598.36.789

126.396.659.100

A8:97:4F:6D:H6:0F

128.42.64.78

Question 2:

There are ____ octets in an IP address.

16

2

8

4

Question 3:

QoS services are protocols that allow routers to make decisions about which IP datagram may be more important than others. Under which IP header field would QoS details be found?

Total length field

Service Type field

Fragmentation offset field

Identification field

Question 4:

Generally, what are Class E IP addresses used for?

Multicasting

CIDR

Broadcasting

Testing

Question 5:

What does ARP stand for?

Augmented Resolution Picture

Aggressive Resource Protection

Anonymous Resource Protocol

Address Resolution Protocol

Question 6:

What does CIDR stand for?

Classic Intra-Demo Ratings

Costless Inter-Data Routing

Clear Inter-Developer Relations

Classless Inter-Domain Routing

Question 7:

A router is performing basic routing functions. What is the first step in the transmission of a packet?

The router examines the destination IP of this packet.

Sent an ARP response.

A router receives a packet of data.

Check the routing table.

Question 8:

Link state routing protocols are newer and they require...

Manual updating

Less memory and less processing power

Modern encryption standards

More memory and more processing power

Question 9:

How many bits long is an Autonomous System Number (ASN)?

16

8

64

32

Question 10:

What does RFC stand for?

Redundant Frame Controller

Realtime Frame Check

Request For Comments

Routing Frequency Control

Question 11:

What is eight bits of data called?

Figure eight

Octuplet

Octoploid

Octet

Question 12:

A single octet in an IP address represents what range of decimal numbers?

0-155

0-250

0-255

1-255

Question 13:

What is one main reason CIDR is helpful in modern networking?

CIDR allows for more arbitrary network sizes

CIDR increases network security with no additional resources

CIDR lowers the amount of power needed to run a server

CIDR simplifies MAC address assignment

Question 14:

A router is performing basic routing functions. What is the second step in the transmission of a packet?

Check the routing table.

A router receives a packet of data.

Sent an ARP response.

The router examines the destination IP of this packet.

Question 15:

Which of the following are a type of interior gateway protocol?
(Choose all that apply)

Distance-vector protocols

TFTP (Trivial File Transfer Protocol)

RDP (Remote Desktop Protocol)

Link state routing protocols

Question 16:

What organization helps manage IP address allocation and autonomous system number allocation?

ICANN

IANA

INNA

IBM

