MikroTik

MTCNA Exam

MikroTik Certified Network Associate

Version: 6.0

Question: 1

Which of the following is NOT a valid MAC Address?

A. 80:GF:AA:67:13:5D
B. 95:B5:DD:EE:78:8A
C. 88:0C:00:99:5F:EF
D. EA:BA:AA:EE:FF:CB
E. 13:16:86:53:89:43

Answer: A

Question: 2

MAC layer by OSI model is also known as

A. Layer 2
B. Layer 1
C. Layer 6
D. Layer 7
E. Layer 3

Answer: A

Question: 3

Select which of the following are 'Public IP addresses':

A. 172.168.254.2
B. 172.28.73.21
C. 11.63.72.21
D. 10.110.50.37
E. 192.168.0.1

Answer: A, C

Question: 4

What protocol does ping use?

A. TCP
B. ARP

C. UDP
D. ICMP

Answer: D

Question: 5

Select valid subnet masks:

A. 255.192.0.0
B. 255.255.192.255
C. 192.0.0.0
D. 255.255.224.0

Answer: A, C, D

Question: 6

What is term for the hardware coded address found on an interface?

A. FQDN Address
B. IP Address
C. Interface Address
D. MAC Address

Answer: D

Question: 7

A network ready device is directly connected to a MikroTik RouterBOARD 750 with a correct U.T.P. RJ45 functioning cable. The device is configured with an IPv4 address of 192.168.100.70 using a subnet mask of 255.255.255.252. What will be a valid IPv4 address for the RouterBOARD 750 for a successful connection to the device?

A. 192.168.100.69/255.255.255.252
B. 192.168.100.70/255.255.255.252
C. 192.168.100.71/255.255.255.252
D. 192.168.100.68/255.255.255.252

Answer: A

Question: 8

Select valid MACaddress

A. G2:60:CF:21:99:H0
B. 00:00:5E:80:EE:B0
C. AEC8:21F1:AA44:54FF:1111:DDAE:0212:1201
D. 192.168.0.0/16

Answer: B

Question: 9

The basic unit of a physical network (OSI Layer 1) is the:

A. Frame
B. Bit
C. Byte
D. Header

Answer: B

Question: 10

Choose all valid hosts address range for subnet 15.242.55.62/27

A. 15.242.55.3315.242.55.62
B. 15.242.55.3215.242.55.63
C. 15.242.55.3115.242.55.62
D. 15.242.55.3315.242.55.63

Answer: A

Question: 11

Which computers would be able to communicate directly (without any routers involved):

A. 192.168.17.15/29 and 192.168.17.20/28
B. 10.5.5.1/24 and 10.5.5.100/25
C. 10.10.0.17/22 and 10.10.1.30/23
D. 192.168.0.5/26 and 192.168.0.100

Answer: B, C

Question: 12

How many layers does Open Systems Interconnection model have?

A. 6
B. 9
C. 5
D. 7
E. 12

Answer: D

Question: 13

How many usable IP addresses are there in a 20bit subnet?

A. 4096
B. 4094
C. 2046
D. 2048
E. 2047

Answer: B

Question: 14

 You have a router with configuration
- Public IP :202.168.125.45/24
- Default gateway:202.168.125.1
- DNS server: 248.115.148.136, 248.115.148.137
- Local IP: 192.168.2.1/24
Mark the correct configuration on client PC to access to the Internet

A. IP:192.168.0.1/24 gateway:192.168.2.1
B. IP:192.168.2.253/24 gateway:202.168.0.1
C. IP:192.168.2.115/24 gateway: 192.168.2.1
D. IP:192.168.2.2/24 gateway:202.168.125.45
E. IP:192.168.1.223/24 gateway:248.115.148.136

Answer: C

Question: 15

 Collisions are possible in fullduplex Ethernet networks

A. true
B. false

Answer: B

Question: 16

In MikroTik RouterOS, Layer3 communication between 2 hosts can be achieved by using an address subnet of:

A. /31
B. /29
C. /32
D. /30

Answer: B, C, D

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