

Networking Essentials (2+1)_ Nhom 01FIE

№ Nhà của tôi / Các khoá học của tôi / NEES330380E_22_2_01FIE / Chapter 4: TCP/IP - Part 3 / Quiz #2

Bắt đầu vào lúc	Tuesday, 11 April 2023, 12:59 PM
Trạng thái	
	Tuesday, 11 April 2023, 1:34 PM
	34 phút 57 giây
Câu hỏi 1 Hoàn thành Đạt điểm 1,00	
	of 138.10.16.0/22, what is the broadcast address for this subnet?
Answer: 138.10	1.19.255
Câu hỏi 2	
Hoàn thành	
Đạt điểm 1,00	
	0 bytes is tramsmitted over a TCP/IP network. Assume the transmitting application uses standard IP header without IP datagrams are needed for the application to complete transferring the file.
Select one:	
O 1518	
O 1	
4	
3	



Đạt điểm 3,50

Five rows of bytes from a topdump capture with -XX flag are shown: 0x0000: 5e6c 75f5 c7ef 12b1 65aa 3dfc 0800 4500 ^lu....e.=...E. 0x0010: 003b c8b2 4000 3f11 6fa3 c0a8 4104 c0a8 :,..@.?.o...A... 0x0020: $4\underline{107}$ eae9 0035 0027 0395 700c 0100 0001 A....5.'..p..... 0x0030: 0000 0000 0000 0976 6e65 7870 7265 7373vnexpress 0x0040: 036e 6574 0000 1c00 01 Answer the following questions? 1. What is the source MAC 12:b1:65:aa:3d:fc 2. What is the value of type field (Ethernet frame) 0x8100 ? 3. Is there option field in the ip header? 4. What is Total length of this ip datagram (decimal) 5. What is source ip (dotted decimal) 192.168.65.4

Câu hỏi 4

Hoàn thành

Đạt điểm 1,00

The physical layer is concerned with the movement of ______ over the physical medium.

Select one:
dialogs
bits
programs
protocols

Câu hỏi 5	
Hoàn thành	
Đạt điểm 1,00	

Which of the following best describes how an Ethernet client accesses the physical medium when transporting data?

Select one:

- It listens to ensure that no signal is present on the wire and then begins to transmit
- O It waits for a special frame on the wire. It reconfigures the frame with data and transmits it to its downstream neighbor
- It sends out a special packet attempting to gain control of the network. If the client receives its own packet back, it has successfully won the right to communicate
- It sends a signal notifying other stations of its intent to send data. If no collision occurs, then the station transmits

Câu hỏi **6**

Hoàn thành

Đạt điểm 1,00

To stop broadcast, network designer uses:

Select one or more:







Câu hỏi 7

Hoàn thành

Đạt điểm 1,00

Ethernet usesas its access methodology

Select one:

- CSMA/CA
- Token passing

CSMA/CD

packet passing

3, 1:34 PM	Quiz #2: Xem lại lần làm thử
Câu hỏi 8	
Hoàn thành	
Đạt điểm 1,00	
Suppose your network is connected to between the two networks?	another network via a router. Which OSI model layer provides the information necessary to direct data
Select one:	
Data link layer	
 Session layer 	
Physical layer	
Network layer	
Câu hỏi 9	
Hoàn thành	
Đạt điểm 1,00	
An ID detegrom without ention in ention	on field flowing through a router, This implies the first byte of IP header will be (in Hex)?
All IF datagram without option in optio	of the distribution of the first byte of the fleader will be (in riex):
Select one:	
65	
45	
O 420	
J. 12	
Câu hỏi 10	
Hoàn thành	
Đạt điểm 1,00	
Which statement heat describes VI CNA	A2
Which statement best describes VLSM	1;
Select one:	
The creation of different subnet r	masks for subnetting different areas of the network
The creation of a single subnet m	nask for the entire network
A routing technique that incorpor	rates the network ID and mask with each route advertisement

A subnetting technique that produces a different mask for each host on a network, useful in maximizing the entire address space

Câu hỏi 11

Hoàn thành

Đạt điểm 1,00

In which two layers of the OSI model do NICs belong?

Select one:

Transport and Network layers

Presentation and Application layers

Network and Data Link layers

Physical and Data Link layers

Câu hỏi 12

Hoàn thành

Đạt điểm 1,00

Choose the correct sequence of fields making up ethernet frame

Field 5: Frame Check Sequence

Field 3: Type/Length

Field 4: Data payload

Field 2: Source Address

Field 1: Destination Address

Câu hỏi 13

Hoàn thành

Đạt điểm 1,00

What is the network address of IP 192.168.10.222/27?

Answer:

192.168.10.192

Câu hỏi 14	
Hoàn thành	
Đạt điểm 1,00	
The main purpose of VLANs	
Select one:	
Make up more collision domain	
 Simplify switch configuration 	
Narrow down broadcast domain	
Make up more broadcast domain	
Câu hỏi 15	
Hoàn thành	
Đạt điểm 1,00	
Which of the following IEEE specifications pertains	s to wireless networking?
Select one:	
O 802.7	
802.5	
802.1	
802.11	
Câu hỏi 16	
Hoàn thành	
Đạt điểm 1,00	
Δ client of the hank did an internet hanking transaction	ction over the internet via web browser. What is the port number that his application uses?
A cheft of the bank did an internet banking transac	stan over the internet via web blowser. What is the port number that his application uses:
Answer: 443 GPT	or 80

3, 1:34 PM	Quiz #2: Xem lại lần làm thử
Câu hỏi 17	
Hoàn thành	
Đạt điểm 1,00	
For movie download, regarding the re	liability/unreliability, which type of service is needed?
Select one:	
connectionless	
O PAT	
connection-oriented	
○ NAT	
Câu hỏi 18	
Hoàn thành	
Đạt điểm 1,00	
Frame is the data unit of which layer?	
Select one:	
Transport	
Physical	
Network	
O Data link	
Câu hỏi 19	
Hoàn thành	
Đạt điểm 1,00	
The IP is an unreliable, connectionles	s protocol. This means that:
Select one or more:	
It does not need a connection to	perform its function
It does not guarantee delivery of	· data

https://fhqx.hcmute.edu.vn/mod/quiz/review.php?attempt=4271722&cmid=961150

It does not have a way to connect and must rely on other components

There is no checksum in it's header



Đạt điểm 1,00

Suppose your computer's IP address is 155.61.9.188, and your network administrator has not subnetted the network to which you're connected. What is your computer's subnet mask?

Select one:

255.255.255.255

255.255.255.0

Câu hỏi 21

255.255.0.0

255.0.0.0

Hoàn thành

Đạt điểm 1,00

Which fields of the IP header change from router to router when no fragmentation is assumed?

Select one or more:
destination IP
Internet Header Len (IHL)
Time-to-live (TTL)
Fragment offset

Câu hỏi 22

Hoàn thành

Đạt điểm 1,00

172.16.0.0/16 is a B-Class network address. How many subnets can be allocated if a new 255.255.255.192 subnet mask is used?

Answer:



2^6=64

Câu hỏi 23

Hoàn thành

Đạt điểm 1,00

What is the network address of a host with IP/submet mask: 172.16.220.200/255.255.255.192

Answer:

172.17.220/225

172.16.220.192/26

Câu	hỏi	24
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Đạt điểm 1,00

Which of the following devices expands network without extending collision domain?

Select one or more:

Hub

Repeater

Bridge

Switch

Câu hỏi 25

Hoàn thành

Đạt điểm 1,00

What are the benefits of implementing VLAN?

Select one or more:

- Simplify the implementation of network with multiple organizational unit
- Creation of additional broadcast domains
- Limit broadcast range
- Enhance network security

Câu hỏi 26

Hoàn thành

Đạt điểm 1,00

What is broadcast address of the network in which 172.16.220.200/255.255.192 is ip/subnet mask of a host?

Answer:

172.16.220.192

172.16.220.255

Câu hỏi 27	
Hoàn thành	
Đạt điểm 1,00	
Coding and decoding are functions of layer	
Select one:	
O Data link	
○ Network	
Physical	
Presentation	
Câu hỏi 28	
Hoàn thành	
Đạt điểm 1,00	
You have just installed a new NIC in your computer and see the following stamped on it: 000A5E1A8DA2. This unique identifier is an example of what kind of address?	
Select one:	
○ IP address	
Network address	
○ Virtual address	
MAC address	
Câu hỏi 29	
Hoàn thành	
Đạt điểm 1,00	
In which of the following situations would it be most desirable to use a connectionless Transport layer protocol?	
Select one:	
When sending an e-mail message to a long list of recipients	
When connecting to a graphics-intensive Web site	
When viewing a movie clip on the Web	
When retrieving a spreadsheet from a busy file server	

Câu h	iói	3	0
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Đạt điểm 1,00

Which technology does the IEEE 802.3 specification describe?

Select one:

Logical Link Control

Ethernet LANs

Network security

Token ring LANs

Câu hỏi 31

Hoàn thành

Đat điểm 1,00

Datagram is the data unit at ______ layer

Select one:
Internet
Network access
Transport
Application

Câu hỏi 32

Hoàn thành

Đạt điểm 3,50

Bytes of the first part of an ip datagram are shown:
45 00 01bd 0000 4000 2506 e94a 6f41 fa02 c0a8 4100 0050 81ea 206b 0f3f ada8 f0e8

Answer following questions:

1. What is the protocol id of the upper layer TCP

2. Is this datagram fragment? No

3. What is the Time-to-live value of this datagram (decimal)

37

4. What is the source port (decimal)

33258

5. What is the destination port (decimal)

Câu hỏi 33	
Hoàn thành	
Đạt điểm 1,00	

Given the address of 160.10.64.0/20, what subnet mask creates an additional four subnets from this network ID?

Answer: 255.255.252.0 255.255.240.0

Câu hỏi **34**Hoàn thành
Đạt điểm 1,00

The ______ layer adds a header to the packet coming from the upper layer that includes the logical addresses of the sender and receiver

Select one:
 transport
 physical
 network
 datalink

Câu hỏi 35
Hoàn thành
Đạt điểm 1,00

Câu hỏi 36

Hoàn thành

Đạt điểm 1,00

- a. What is the source port number?
- b. What is the destination port number?
- c. What is the sequence number?
- d. What is the acknowledgement number?

05 32: src port 00 17: dst port 00 00 00 01: Seq 00 00 00 00: ack

Sequence Number





Destination port number



1330

1

Câu hỏi 37

Hoàn thành

Đạt điểm 1,00

A client access the web page of a trading company over the internet by name. What is the port number of the first packet transmitting out from the client's host?

Answer:





Câu hỏi 38

Hoàn thành

Đạt điểm 1,00

The length of IP datagram can not exceed

Select one:

- the maximum size of data payload field in the lower layer protocol
- 65536 bytes
- 1500 bytes
- 1518 bytes

Câu hỏi 39	
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Đạt điểm 1,00

An IP datagram has arrived with the following information in the header (in hexadecimal):

45 00 00 54 00 03 00 00 20 06 00 00 7C 4E 03 02 B4 0E 0F 02

a. Are there any options?
b. Is the packet fragmented?
c. What is the size of the data?
d. What is the size of Internet header?

fragmented?
size of data

64 34

Size of header
options:

Câu hỏi 40

Hoàn thành

Đạt điểm 1,00

A datagram is carrying 1024 bytes of data. If there is no option information, what is the value of the header length field (IHL)? What is the value of the total length field? (TL)

TL = 1044 IHL = 5

Chuyển tới...

Submission for lab#6 ►