9

TRƯỜNG ĐẠI HỌC SƯ PHẠM KỸ THUẬT TP.HCM
KHOA ĐÀO TẠO
CHẤT LƯỢNG CAO
www.fhq.hcmute.edu.vn

Networking Essentials (2+1)_ Nhom 02FIE

Bắt đầu vào lúc	Thursday, 23 February 2023, 3:22 PM
Trạng thái	Đã xong
Kết thúc lúc	Thursday, 23 February 2023, 3:56 PM
Thời gian thực hiện	33 phút 26 giây

Câu hỏi 1

Hoàn thành

Đạt điểm 1,00

Which of the following devices operate in physical layer of OSI model?

Select one or more:

- ☑ Repeater
- ☑ Hub
- ☐ Bridge
- ☐ Router

Câu hỏi 2

Hoàn thành

Đạt điểm 1,00

IEEE 802.11 specifies the connectivity standard for which type of network?

Select one:

- ○ Token ring
- ○ MAN
- ● Wireless
- ○ Ethernet

Câu hỏi 3

Hoàn thành

Đạt điểm 1,00

What will a Ethernet switch do if it receives a unicast frame with a destination MAC that is NOT listed in the switch table?

- ⦿ The switch will forward the frame to all ports except the port on which it was received
- ○ The switch will forward the frame to a specific port
- ○ The switch will return a copy of the frame out the source port
- ○ The switch will add the destination MAC to the switch table

Câu hỏi 4

Hoàn thành

Đạt điểm 1,00

Which of the following devices doesn't operate at network layer?

Select one:

- ⦿ NIC (Network Interface Card)
- ○ router
- ○ VLAN
- ○ switch

Câu hỏi 5

Hoàn thành

Đạt điểm 1,00

For movie download, regarding the reliability/unreliability, which type of service is needed?

Select one:

- ⦿ connection-oriented
- ○ NAT
- ○ connectionless
- ○ PAT

Câu hỏi 6

Hoàn thành

Đạt điểm 1,00

Frame is the data unit of which layer?

Select one:

- ○ Network
- ○ Transport
- ○ Physical
- ◉ Data link

Câu hỏi 7

Hoàn thành

Đạt điểm 1,00

What is the purpose of the trailer field added to a frame in the Data Link layer?

Select one:

- ◉ To mark the end of a frame
- ○ To encode the sum of the error-checking
- ○ To represent the frame's sequence number
- ○ To indicate the rate a node can receive the data

Câu hỏi 8

Hoàn thành

Đạt điểm 1,00

OSI reference model is established due to:

Select one:

- ○ TCP/IP reference model is outdated
- ○ Manufacturers don't like TCP/IP reference model
- ◉ Need a reference model for different network device makers to produce standardized and a set of rules for successful communication
- ○ Tranmission rate over network grows too fast

Câu hỏi 9

Hoàn thành

Đạt điểm 1,00

To stop broadcast, network designer uses:

Select one or more:

- ☑ VLAN
- ☑ Router
- ☐ Switch
- ☐ Hub

Câu hỏi 10

Hoàn thành

Đạt điểm 1,00

Which of the following would be found in a Data Link layer header?

Select one:

- ○ The source's logical address
- ◉ The source's physical address
- ○ The packet's sequence number
- ○ The packet's fragmentation offset

Câu hỏi 11

Hoàn thành

Đạt điểm 1,50

A Technician wants to build up a workgroup LAN of 10 PCs. The PCs will be connected to each other in star topology. Choose the correct items for the listing components

Cable of	UTP Cat-5 standard
The number of RJ-45 connector needs	20
Switch with at least .... ports	10

Câu hỏi 12

Hoàn thành

Đạt điểm 1,00

Match the layers of the OSI reference model with their appropriate function

Presentation	Establish, manage connections between communication sides
Network	Determines routes and addressing
Data link	Packages bits into data
Application	Establishes responses between applications
Transport	free packet delivery
Physical layer	Deals with mechanical and electrical communications
Session	Formats, encrypts, and compresses data

Câu hỏi 13

Hoàn thành

Đạt điểm 1,00

The main purpose of VLANs

Select one:
- ○ Make up more collision domain
- ● Narrow down broadcast domain
- ○ Simplify switch configuration
- ○ Make up more broadcast domain

Câu hỏi 14

Hoàn thành

Đạt điểm 1,00

When a bridge receives a broadcast, what action is taken?

Select one:
- ● The bridge copies the packet to all ports except the port on which the packet was received
- ○ The bridge forwards the packet to the appropriate network segment based on the source MAC address
- ○ The bridge copies the packet to all ports including the port on which it was received
- ○ The bridge filters the packet

Câu hỏi **15**

Hoàn thành

Đạt điểm 1,00

Ethernet uses a _____ physical address that is imprinted on the network interface card (NIC).

Select one:

- ○ 64-bit
- ○ 32-bit
- ○ 128-bit
- ⦿ 6-byte

Câu hỏi **16**

Hoàn thành

Đạt điểm 1,00

Which of the following IEEE specifications pertains to wireless networking?

Select one:

- ○ 802.1
- ○ 802.7
- ⦿ 802.11
- ○ 802.5

Câu hỏi **17**

Hoàn thành

Đạt điểm 1,00

An Ethernet MAC sublayer receives 1510 bytes of data from the LLC layer. Can
the data be encapsulated in one frame? If not, how many frames need to be sent?
What is the size of the data in each frame?

The number of frames	2
Frame #1:	1500
Frame #2:	46

Câu hỏi 18

Hoàn thành

Đạt điểm 1,00

What are the sublayers of the Data Link layer as defined in IEEE 802 standards?

Select one:

- ○ Transport Control sub-layer and Media Access Control sublayer
- ⦿ Logical Link Control sublayer and Media Access Control sublayer
- ○ Logical Link Control sub-layer and Physical Addressing sublayer
- ○ Transport Control sub-layer and Data Link Control sublayer

Câu hỏi 19

Hoàn thành

Đạt điểm 1,00

Choose the correct sequence of fields making up ethernet frame

Field 1: Destination Address

Field 3: Type/Length

Field 4: Data payload

Field 5: Frame Check Sequence

Field 2: Source Address

Câu hỏi 20

Hoàn thành

Đạt điểm 1,00

Which technology does the IEEE 802.3 specification describe?

Select one:

- ⦿ Token ring LANs
- ○ Network security
- ○ Logical Link Control
- ○ Ethernet LANs

Câu hỏi **21**

Hoàn thành

Đạt điểm 1,00

Which of the following can be an Ethernet physical address?

Select one:

- ⦿ 07:01:02:01:2C:4B
- ◯ ::1
- ◯ 01:02:01:2C:4B
- ◯ 07:01:02:01:2C:4B:2C

Câu hỏi **22**

Hoàn thành

Đạt điểm 1,00

Which of the following connections is correct with cross-over cables?

Select one:

- ◯ 1 <--> 2, 3 <--> 6, 2 <--> 1, 6 <--> 3
- ◯ T-568A/B in both ends
- ⦿ 1 <--> 3, 2 <--> 6, 3 <--> 1, 6 <--> 2
- ◯ 1 <--> 1, 2 <--> 2, 3 <--> 3, 6 <--> 6

◄ **Lab04-Ethernet**

Chuyển tới...

Project report template ►