Exercise 4 (Chap 4)

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每个题目有10分,最多可以尝试3次,以最后一次回答为准,客观题答完后会自动批改,并且给出标准答案。题目类型为Essay的不会自动批改,分数由老师阅后再给

#1 Points possible: 10
ch4-2. A group of N stations share a 56-kbps pure ALOHA channel. Each station outputs a 1000-bit frame on an average of once every 100 sec, even if the previous one has not yet been sent (e.g., the stations can buffer outgoing frames). What is the maximum value of N3 A: 1030
#2 Points possible: 10
Q. What is the baud rate of the standard 10-Mbps Ethernet? A. 20 Mbaud
#3 Points possible: 10
 Q. Consider building a CSMA/CD network running at 1 Gbps over a 1-km cable with no repeaters. The signal speed in the cable is 200,000 km/sec. What is the minimum frame size? A. 10000 bits
#4 Points possible: 10
The reason for binary exponential backoff in the classical Ethernet is that
this algorithm is simple
 this algorithm is fast
• this algorithm is adaptive to network load
this algorithm is scalable to network size
#5 Points possible: 10
When binary exponential backoff is used, a random number between 0 and is chosen and that number of slots is skipped
O 511
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O 4095

#6 Points possible: 10
A network interface card mainly works at the layer(s)
physical and data link
 data link and network
physical and network
○ data link and transport
#7 Points possible: 10
Which is not one of the important functions provided by bridges?
reducing the collision domain
o increasing the data rate
increasing the length of domain
reducing the broadcast domain
#8 Points possible: 10
There is a 10 Mbps Ethernet switch with 10 ports each of which is connected to a single computer. Then every computer's data rate isMbps.
01
O 2
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O 100
#9 Points possible: 10
work at the physical layer while work at the data link layer.
□ Hubs, routers
Hubs, switches
Bridges, routers
Repeaters, hubs
#10 Points possible: 10
What kind of media used by 1000Base-F network?

http://10.214.0.253/network/exercise/assessment/printtest.php

- Coaxial Cable
- Twisted Pairs
- Fiber Optics
- O Power Lines