Subject: NW-Chapter4

Number of question: 10

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| QN=1 | What is the name of the standard for Ethernet LAN |
| a. | IEEE 802.3 |
| b. | IEEE 802.11 |
| c. | IEEE 802.16 |
| d. | IEEE 802.17 |
| ANS: | A |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=2 | Which layers bridges function at? |
| a. | Application |
| b. | Network and Datalink |
| c. | Physical and Transport |
| d. | Data link and Physical |
| ANS: | D |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=3 | What does that mean by store-and-forward operation of switches? |
| a. | The switch will transmit immediately data bits as soon as it receive |
| b. | The switch will transmit only after it receives the whole frame |
| c. | The switch will stop transmit when the frame is error |
| d. | None of them |
| ANS: | B |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=4 | What does that mean by cut-through operation of switches? |
| a. | They receive the whole frame before forwarding to next station |
| b. | They start forwarding frames as soon as the destination header field has come in, but before the rest of frame has arrived |
| c. | They forward the last bit first |
| d. | None of them |
| ANS: | B |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=5 | What is the difference between the switch and the bridge? |
| a. | Switch has address while bridge does not |
| b. | Switch uses store-and-forward while bridge uses cut-through |
| c. | Switch is in the application layer while bridge is in data link layer |
| d. | Switch can handle multiple data flow while bridge can handle single one |
| ANS: | D |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=6 | Where is the LLC(Logical Link Control)? |
| a. | It is below the application and about transport layer |
| b. | It is a sublayer of network layer |
| c. | It is a sublayer of the datalink layer and above the MAC sublayer of the datalink layer |
| d. | None of them |
| ANS: | C |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=7 | Which layer repeaters function at? |
| a. | Physical |
| b. | Datalink |
| c. | Network |
| d. | None is correct |
| ANS: | A |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=8 | To connect to two similar LANs you use |
| a. | A hub |
| b. | A bridge |
| c. | A repeater |
| d. | None of them |
| ANS: | B |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=9 | Which one is the most-commonly-used cabling standard for Ethernet? |
| a. | 10Base5 |
| b. | 10Base2 |
| c. | 10Base-T |
| d. | 10Base-F |
| ANS: | C |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |

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| QN=10 | In Exponential Backoff of CSMA/CD, the delay time after 4 collisions is |
| a. | K\*512 bittimes, where K is randomly selected in {0, 1, 2, 3} |
| b. | K\*512 bittimes, where K is randomly selected in {0, 1, 2,…, 14, 15} |
| c. | K\*512 bittimes, where K is randomly selected in {0, 1, 2,…, 7,8 |
| d. | K\*256 bittimes, where K is randomly selected in {0, 1, 2,….,14, 15} |
| ANS: | B |
| PTS: | 0.2 |
| CHAPTER: | 5 |
| MIX CHOICES: | Yes |