moodleubb Computer Networks - IE Quiz navigation **Started on** Saturday, 5 February 2022, 7:28 PM 1 2 3 4 5 6 7 8 9 10 **State** Finished **Completed on** Saturday, 5 February 2022, 7:42 PM **Time taken** 13 mins 24 secs **Marks** 25.25/35.00 **Grade 7.21** out of 10.00 (**72**%) Show one page at a time Question 1 SOCK\_DGRAM is used for UDP connections. Finish review Complete Select one: Mark 1.00 out of a. False b. True Question **2** The maximum number of actual hosts for a class C network is 254 \$ Complete Mark 2.00 out of Question **3** All IP addresses from the class 172.0.0.0/8 are private Complete Select one: Mark 0.00 out of True Flag question False Question **4** A DNS server can be a Default Gateway Complete Select one: Mark 0.00 out of True False Question **5** A switch is more advanced than a hub Complete Select one: Mark 1.00 out of True False Question **6** IP is located at the Link layer Complete Select one: Mark 1.00 out of True False Question **7** A computer connects to a switch using a Cross-Over cable Complete Select one: Mark 1.00 out of Flag question False Question **8** How many hosts can be addressed on 10.0.0.0/16? Complete Mark 3.00 out of Answer: 65534 Flag question Question **9** Are mac addressed guaranteed to be unique? Complete Select one: Mark 1.00 out of a. Yes, because mac addresses are burned into the ROM of the network adapter. Flag question ob. No, buying the same type of a network adapter twice (from an online store) means you get the same mac address. c. No, the mac address is software related. Od. Depends on the network adapter you have. Question 10 There can't be multiple computers with the address 127.0.0.1 Complete Select one: Mark 0.00 out of True False Question 11 ARP means Address Resolution Proocol Complete Select one: Mark 1.00 out of True Flag question False Question **12** A UDP socket is created using the parameters AF\_INET and SOCK\_STREAM Complete Select one: Mark 1.00 out of True False Question 13 255.255.255 is not the MAC broadcasting address Complete Select one: Mark 0.00 out of True False Question 14 Which of the following describes 'big endian'? Complete Select one or more: Mark 2.00 out of 2.00 a. None of these choices. b. least significant byte in the middle c. most significant byte in the middle ✓ d. most significant byte first e. most significant byte last Question **15** Which of the following involve NAT? Complete Select one or more: Mark 0.33 out of a. Port Forwading

b. Address Translation c. Accessing the web from an internal network. Your PC's network will be translated to your public IP (i. e. home network) Question **16** 127.0.0.1 can not be a network address Complete

Select one:

True

False

Select one:

True

False

Select one:

Select one:

True

127.16.0.1 is a private IP address

The recvfrom() call doesn't transmit data to the TCP client

192.168.1.155 belong to the class 192.168.1.0/25

Question 18 Complete Mark 1.00 out of Question 19 Complete

Mark 1.00 out of

1.00

Mark 1.00 out of

Question **17** 

Mark 1.00 out of

Complete

Question **27** Which of the following is not a characteristic of the IP protocol? Complete Select one or more: Mark 0.67 out of 2.00 ☑ a. Is a connection-oriented protocol b. It defines the Internet addressing system c. It affects packet routing

✓ d. Is considered an unreliable protocol

True False Question **20** The MAC address has 32 bits Complete Select one: Mark 1.00 out of True Flag question False Question **21** A class /24 can be split into 3 subclasses /26. Complete Select one: Mark 0.00 out of True False Question **22** A network with the netmask 255.255.255.0 has 2^8=128 ips. Complete Select one: Mark 0.00 out of True False Question **23** How long is an IPv4 address? Complete Select one or more: Mark 1.50 out of 3.00 ☑ a. 32 bits b. 48 bits c. 4 bytes d. 6 bytes Question **24** What command would you use to check the Datalink Layer if it works (on Windows)? Complete Select one or more: Mark 0.75 out of 1.00 ☑ a. arp /a b. All answers are correct. c. ipconfig /all ☑ d. arp /d e. ipconfig Question **25** UDP is not connection oriented Complete Select one: Mark 1.00 out of 1.00 True False Question **26** Represent /26 in doted decimal format: Complete Mark 2.00 out of Answer: 255.255.255.192 Flag question

Finish review