CSCI 3303 Networking Data Communication

Homework Assignment 4

Due Date: Midnight Sep. 26, 2021

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1. Which address is used to identify a process on a host by the transport layer? \_\_\_\_**C.**\_\_\_\_\_  
   a) physical address b) logical address  
   **c) port address**  d) specific address
2. Which of the following is not applicable for IP? \_\_\_\_\_**A.**\_\_\_\_\_\_\_  
   **a) Error reporting**  b) Handle addressing conventions  
   c) Datagram format d) Packet handling conventions
3. To deliver a message to the correct application program running on a host, the \_\_\_\_**C.**\_\_\_\_ address must be consulted.  
   a) IP b) MAC **c) Port** d) None of the mentioned
4. A \_\_\_\_**B.**\_\_\_\_\_\_ is an extension of an enterprise’s private intranet across a public network such as the internet, creating a secure private connection.  
   a) VNP **b) VPN** c) VSN d) VSPN
5. Network addresses are a very important concept of \_\_\_\_**C.**\_\_\_\_  
   a) Routing b) Mask **c) IP Addressing**  d) Classless Addressing
6. Which of this is not a class of IP address? \_\_\_\_**D**.\_\_\_\_\_  
   a) Class E b) Class C c) Class D **d) Class F**
7. The size of an IP address is \_\_\_\_\_**32**\_\_\_\_\_\_ bits in IPv4, and \_\_\_\_\_\_**128**\_\_\_\_\_\_ bits in IPv6.
8. In computer and network technology, a(an) \_\_\_\_\_**Octet**\_\_\_\_\_\_\_ represents an 8-bit quantity. Octets range in mathematical value from 0 to 255.
9. The number of hostid in IP address class C is \_\_\_\_\_\_**256**\_\_\_\_\_.
10. In networking, a port ranging from 0 to \_\_\_\_\_\_\_ **1023** \_\_\_\_\_\_\_\_\_ is a communication endpoint and always associated with an IP address of a host and the type of transport protocol.