CSA5776 FUNDAMENTAL FOF COMPUTING FOR RISK ANALYSIS

ASSIGNMENT 4 (7-4-23)

1) Find the classes of IP address for below addresses

* + - 1. 255.255.254
      2. 255.255.255.0.0
      3. 255.0.0
      4. 192.14.2.0
      5. 148.17.9.1
      6. 249.240.80.78
      7. 33.0.0.0
      8. 95.0.21.90
      9. 158.98.80.0
      10. 219.21.56.0

ANS)

* 255.255.254.0 - This is a Class C subnet mask, which allows for up to 510 hosts on the network.
* 255.255.255.0 - This is a Class C subnet mask, which allows for up to 254 hosts on the network.
* 255.0.0.0 - This is a Class A subnet mask, which allows for up to 16,777,214 hosts on the network.
* 192.14.2.0 - This is not a subnet mask, but an IP address. It belongs to the Class C network 192.14.2.0/24, which allows for up to 254 hosts on the network.
* 148.17.9.1 - This is not a subnet mask, but an IP address. It belongs to the Class B network 148.17.0.0/16, which allows for up to 65,534 hosts on the network.
* 249.240.80.78 - This is not a valid subnet mask or IP address. The first octet should be between 0 and 255, but 249 is outside of this range.
* 33.0.0.0 - This is a Class A subnet mask, which allows for up to 16,777,214 hosts on the network.
* 95.0.21.90 - This is not a subnet mask, but an IP address. It belongs to the Class A network 95.0.0.0/8, which allows for up to 16,777,214 hosts on the network.
* 158.98.80.0 - This is not a subnet mask, but an IP address. It belongs to the Class B network 158.98.0.0/16, which allows for up to 65,534 hosts on the network.
* 219.21.56.0 - This is not a subnet mask, but an IP address. It belongs to the Class C network 219.21.56.0/24, which allows for up to 254 hosts on the network.