NETWORK DESIGN

1) a Due to a miscommunication, the purchaser only paid to update 10 licenses. The software company issued a "paper license" and a single key for updating 10 users. This is an enterprise paper license and there is no mechanism that enforces a limit to the number of times the key can be used. You decide to update all 20 users. Which of the following are possible consequences of this decision?

A) The software company will never detect the violation so negative consequences are unlikely.

B) There are no consequences. By law, you are allowed 1 to 3 activations per user.

C) The software will eventually stop working properly for the 10 extra updates you installed.

D) Your company is exposed to litigation by violating the software license agreement.

2) Which VoIP device helps establish the connection between two VoIP phones?

A) VoIP gateway
B) VoIP codec
C) VoIP endpoint
D) VoIP server

3) You want to reduce collisions by creating separate collision domains and virtual LANs. Which of the following devices should you choose?
A) Router
B) Port
C) Switch
D) Connector

4) Each network node has an IP address and a(n) _____ address.

A) IPX
B) PCD
C) SSID
D) MAC

5) Your company uses VoIP for phone calls. Recently, employees have been complaining about phone calls with unusual sound effects that sound like the noises are coming in out of order. Which type of problem is occurring on the VoIP system?
A) Packet loss
B) Jitter
C) Latency
D) Echo

6) If an organization shows sufficient due care, which burden is eliminated in the event of a security breach?
A) Liability
B) Asset loss
C) Negligence
D) Investigation

7) Which of the following statements about DSCP are **true**?

A) Priority values are assigned by the network switch.
B) A priority value between 0 and 7 is used.
C) Classification occurs at Layer 2.
D) Classification occurs at Layer 3.

8) You decide to use a packet sniffer to identify the type of traffic sent to a router. You run the packet sniffing software on a device connected to the same hub that is connected to the router. When you run the software, you only see frames addressed to the workstation, not other devices. Which feature should you configure?
A) Mirroring
B) Promiscuous mode
C) Spanning tree
D) Bonding

9) You manage a firewall that connects your private network to the internet. You would like to see a record of every packet that has been rejected by the firewall in the past month. Which tool should you use?

A) Packet sniffer

B) Load tester

C) Throughput tester

D) Event log

10) Which backup strategy backs up only files that have the archive bit set, but does **not** mark them as having been backed up?

A) Full

B) Normal

C) Differential

D) Incremental

11) You are trying to help a co-worker order a UPS for each PC in her remote office location. What rating is used to specify the size of a UPS?

A) volt/ohm

B) kVA

C) volts

D) watts

12) You manage a server that uses an IP address of 192.168.255.188 with a mask of 255.255.0.0. Which of the following describes the address type?

A) Public

B) Classful

C) Classless

D) Multicast

13) Which of the following cables offers the best protection against EMI?

A) RG-6

B) Cat 6a

C) Cat 5e

D) Cat 5

14) Which of the following protocols is used by PPP to enable support for multiple Network layer protocols?

A) NCP

B) TCP

C) LCP

D) HDLC

15) Which of the following protocols are often added to other protocols to provide secure transmission of data?
A) HTTPS
B) TLS
C) SMTP
D) SNMP

1) D
2) D
3) C
4) D
5) B
6) C
7) D
8) B
9) D
10) C
11) B
12) C
13) A
14) A
15) B