

## Weekly Test 4

\* Required

### 1. Please Enter Your Full Name

Enter your answer

2. Software, such as viruses, worms, and Trojan horses, that has a malicious intent is known as \_\_\_\_\_. (2 \* Points)

- ☐ Adware
- ☐ Malware
- ☐ Spyware
- ☐ Spam

3. Which of the following is the protection of confidentiality, integrity, and availability of information assets, whether in storage, processing, or transmission? (2 \* Points)

- ☐ Operations security
- ☐ Information security
- ☐ Network security
- ☐ Communication security

4. The secret key is used in \_\_\_\_\_. \* (2 Points)

- ☐ Symmetric cryptography
- ☐ Asymmetric cryptography
- ☐ Public key cryptography
- ☐ All the mentioned above

5. \_\_\_\_\_ can be used to minimize the risk of security breaches or viruses \* (2 Points)

- ☐ Firewall
- ☐ Backups
- ☐ Digital signature
- ☐ Encryption

6. The ability to recover and read deleted or damaged files from a criminal's computer is an example of a law enforcement specialty called \_\_\_\_\_ \* (2 Points)

- ☐ Robotics
- ☐ Simulation
- ☐ Computer forensics
- ☐ Animation

7. A security tool to verify the authenticity of the message and claimed identity of the sender and to verify the message integrity is \_\_\_\_\_. (2 \* Points)

- ☐ Digital signature
- ☐ Encryption
- ☐ Firewalls
- ☐ Digital certificates

8. \_\_\_\_\_ means interruption or prevention of correct operation \* (2 Points)

- ☐ Deception
- ☐ Disclosure
- ☐ Usurpation
- ☐ Disruption

9. \_\_\_\_\_ is the examination of a system to determine its degree of compliance with a stated security model, security standard, or specification. (2 \* Points)

- ☐ Security evaluation
- ☐ Security auditing
- ☐ Posture Assessment
- ☐ Risk Assessment

10. \_\_\_\_\_ is a globally-connected network of computers that enables people to share information and communicate with each other. (2 \* Points)

☐ Extranet

☐ Intranet

☐ Internet

☐ All

11. A person who uses his or her expertise to gain access to other people's computers to get information illegally or does damage is \_\_\_\_\_. (2 \* Points)

☐ Analyst

☐ Programmer

☐ Spammer

☐ Hacker

12. A computer checks the \_\_\_\_\_ of user names and passwords for a match before granting access (2 \* Points)

☐ Website

☐ Database

☐ Network

☐ Backup file

13. Backup of the data files will help to prevent \_\_\_\_\_. \* (2 Points)

- ☐ Loss of confidentiality
- ☐ Duplication of data
- ☐ Loss of data
- ☐ Virus infection

14. Why Security is needed? \* (2 Points)

- ☐ Protect vital information while still allowing access to those who need it.
- ☐ Provide authentication and access control for resources.
- ☐ Guarantee availability of resources.
- ☐ All the mentioned above

15. What are the benefits of static analysis tools? \* (2 Points)

- ☐ Speed
- ☐ Depth
- ☐ Accuracy
- ☐ All the mentioned above

16. Abuse messaging systems to send unsolicited is \_\_\_\_\_. \* (2 Points)

- ☐ Spam

- ☐ Adware
- ☐ Firewall
- ☐ Phishing

17. \_\_\_\_\_ means unauthorized access over a web server, or database and making a change in the information. (2  
\* Points)

- ☐ Password hacking
- ☐ Email hacking
- ☐ Website hacking
- ☐ Computer hacking

18. The phrase \_\_\_\_\_ describes viruses, worms, Trojan horse attack applets, and attack scripts. (2  
\* Points)

- ☐ Spam
- ☐ Phishing
- ☐ Malware
- ☐ Virus

19. \_\_\_\_\_ is a computer crime in which a criminal break into a computer system for exploring details of information etc. (2  
\* Points)

- ☐ Eavesdropping
- ☐ Hacking

☐ Spoofing

☐ Phishing

20. \_\_\_\_\_ assures that private or confidential information is not made available or disclosed to an unauthorized individual. (2 \* Points)

☐ Integrity

☐ Availability

☐ Reliability

☐ Confidentiality

21. A Proxy server is used for which of the following? \* (2 Points)

☐ To process client requests for web pages

☐ To provide TCP/IP

☐ To provide security against unauthorized users

☐ To process client requests for database access

22. Which one of the following is odd? \* (2 Points)

☐ Use good cryptography

☐ Have a backup system

☐ Complex environments and operations

☐ Audit and monitor systems and networks

23. Which one of the following is true about Trojan Horse programs? \* (2 Points)

- ☐ Are hacker programs that do not show up on the system
- ☐ Really do not usually work
- ☐ Are usually immediately discovered
- ☐ Are legitimate programs that allow unauthorized access

24. The most widely used public-key cryptosystem is \_\_\_\_\_. \* (2 Points)

- ☐ DES
- ☐ IDEA
- ☐ RSA
- ☐ Blowfish

25. Which of the following would most likely NOT be a symptom of a virus? \* (2 Points)

- ☐ Existing program files and icons disappear
- ☐ The Web browser opens to an unusual home page
- ☐ Odd messages or images are displayed on the screen
- ☐ The CD-ROM stops functioning



26. If you receive an e-mail from someone you don't know, what should you do? \* (2 Points)

- ☐ Forward it to the police immediately
- ☐ Delete it without opening it
- ☐ Open it and respond to them saying you don't know them
- ☐ Reply and ask them for their personal information

27. In TCP/IP layered model, which layer is responsible for data compression, decompression, encryption and decryption? \* (2 Points)

- ☐ Presentation layer
- ☐ Application Layer
- ☐ Transport layer
- ☐ Session layer

28. Which of the following command used to check the connection between two hosts \* (2 Points)

- ☐ ping
- ☐ RARP
- ☐ EIGRP
- ☐ ipconfig

29. Which of the following true statements about the class full IP address \* (2 Points)

- ☐ Class 'D' IP address is possible to need network and host parts.
- ☐ Class 'C' IP address used for multicasting
- ☐ Class 'A' has a greatest number of hosts per subnet.
- ☐ Class 'A' has a greatest number of networks

30. What is called the data name that is created at the data link layer? \* (2 Points)

- ☐ frame
- ☐ packet
- ☐ segment
- ☐ data gram

31. \_\_\_\_\_used to automatically fill/assign IP address to the hosts \* (2 Points)

- ☐ DHCP
- ☐ SUBNETMASK
- ☐ DNS
- ☐ ICMP

32. Which layer is used to provide end to end connection services \* (2 Points)

- ☐ Network

- ☐ Transport
- ☐ Session
- ☐ Application

33. What is the first valid host on the subnetwork that the node 172.16.23.113/28 belongs to?

<sup>\*</sup> (2 Points)

- ☐ 172.16.23.129
- ☐ 172.16.23.161
- ☐ 172.16.23.193
- ☐ 172.16.23.241

34. Which one is true for the given statement <sup>\*</sup> (2 Points)

- ☐ Router is physical similar to repeaters and logical similar to switches
- ☐ Hubs have processing power and work in full duplex manner
- ☐ Repeaters can connect with Ethernet and token ring network architecture
- ☐ Today, Network switches have largely replaced bridges

35. Which one is true statement about gateway <sup>\*</sup> (2 Points)

- ☐ It is used to connect two dissimilar network
- ☐ It is used to connect two networks they may or may not be similar.
- ☐ It is used to provide connectivity across wide area networks.

☐ It operates at the layers below the network layer of the OSI model

36. If a class B network on the internet has a subnet mask of 255.255.224.0, (2  
\* Points)  
what is the maximum number of hosts per subnet?

☐ 8191

☐ 8190

☐ 4096

☐ 4092

37. Which of the following functionalities must be implemented by a (2  
\* Points)  
transport protocol over and above the network protocol?

☐ Recovery from packet losses

☐ Detection of duplicate packets

☐ Packet delivery in the correct order

☐ End to end connectivity

38. An organization has a class B network and wishes to form subnets for 32 (2  
\* Points)  
departments. The subnet mask would be

☐ 255.255.248.0

☐ 255.255.64.0

☐ 255.255.224.0

☐ 255.255.32.0

39. The application layer of a network \* (2 Points)

- ☐ Defines user computers port into the network
- ☐ Establishes, maintain and terminates virtual circuits
- ☐ Consists of software being run on the computer connected to the network
- ☐ Employs error handling mechanisms.

40. Which statement is matched protocol with port number correctly \* (2 Points)

- ☐ Https-> 143
- ☐ POP3-> 80
- ☐ Telnet->22
- ☐ NTP->123

41. Which technique is used to send more than one call over a single line? \* (2 Points)

- ☐ Digital transmission
- ☐ Digitizing
- ☐ Infrared transmission
- ☐ Multiplexing

42. Which one is true statement about UDP? \* (2 Points)

- ☐ It is relatively fast
- ☐ It uses ordered data delivery
- ☐ It is point to point communication system
- ☐ It is state memory

43. Which statement is correctly order to represent socket address? \* (2 Points)

- ☐ <protocol, local-address, local port>
- ☐ < local-address, protocol, local port>
- ☐ <protocol, local port, local-address >
- ☐ < local-address, local port, protocol>

44. Which one is router configuration code to display the current running configuration that is stored in RAM? (2 \* Points)

- ☐ Show startup-config
- ☐ Show ip route
- ☐ Show running-config
- ☐ Show interfaces

45. Which is used to enable router configuration \* (2 Points)

- ☐ Global configuration mode
- ☐ Privileged EXEC mode
- ☐ User EXEC mode
- ☐ All

46. Which one is correct statement about router table? \* (2 Points)

- ☐ One router has certain information in its routing table means that other routers have the same information
- ☐ Routing information about a path from one network to another provides routing information about the reverse path
- ☐ Every router makes its decision alone, based on the information it has in its own routing table.
- ☐ Every router makes its decision with the neighbor's router, based on the information it has on other routing table.

47. Which protocol is a path vector exterior routing protocol based on its routing function \* (2 Points)

- ☐ BGP
- ☐ IGRP
- ☐ RIP
- ☐ OSPF

48. The effects of data communication depends on the verification in packet arrival time is \* (2 Points)

- ☐ Delivery
- ☐ Timelines
- ☐ Accuracy
- ☐ Jitter

49. An instructor sends network lab materials via the students email address. Each students are received the materials at the same time with their own email address. This modes of data transmission implies that (2 \* Points)

- ☐ Unicast
- ☐ Multicast
- ☐ Broadcast
- ☐ De multiplexing

50. Which one is correct statement that is written the physical address \* (2 Points)

- ☐ 07:01:02:01:2C:4B
- ☐ 07:01:01:2C:4B
- ☐ 07:01:02:01
- ☐ 07:01:02:1:C:B

51. You want to design a network in our university. Engineering college needs 100 computers. Informatics College needs 50 computer. Registrar office needs 18 computers. Using the IP address 195.20.5.0/24 divide the network using VLSM. Include the name and sub subnet IP addresses and information for each branch of network. Label the WAN links with the (2 \* Points)



same information. You will be working the largest to smallest.  
According to the above information, you have to determine the network  
and broadcast address of Registrar respectively

- ☐ 195.20.5.128    255.255.255.192
- ☐ 195.20.5.0      255.255.255.128
- ☐ 195.20.5.192    255.255.255.224
- ☐ 195.20.5.224    255.255.255.224

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