Cyber Security MCQ

This set of following multiple-choice questions and answers focuses on "Cyber Security". One shall practice these interview questions to improve their concepts for various interviews (campus interviews, walk-in interviews, and company interviews), placements, entrance exams, and other competitive exams.

1) In which of the following, a person is constantly followed/chased by another person or group of several peoples?

    a. Phishing

    b. Bulling

    c. Stalking

    d. Identity theft

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Answer: c

Explanation: In general, Stalking refers to continuous surveillance on the target (or person) done by a group of people or by the individual person.

Cyber Stalking is a type of cybercrime in which a person (or victim) is being followed continuously by another person or group of several people through electronic means to harass the victim. We can also say that the primary goal of **Stalking** is to observe or monitor each victim's actions to get the essential information that can be further used for threatening, harassing, etc.

2) Which one of the following can be considered as the class

    a. Dos Attack

    b. Phishing

    c. Soliciting

d. Both A and C

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Answer: a

Explanation: A dos attack refers to the denial of service attack. It is a kind of cyber attack in which one tries to make a machine (or targeted application, website etc.) unavailable for its intended users. It is usually accomplished by disturbing the service temporarily or indefinitely of the target connected to the internet.

3) Which of the following is considered as the unsolicited commercial email?

a. Virus

b. Malware

c. Spam

d. All of the above

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Answer: c

Explanation: It is a type of unsolicited email which is generally sent in bulk to an indiscriminate recipient list for commercial purpose. Generally, these types of mail are considered unwanted because most users don't want these emails at all.

4) Which of the following usually observe each activity on the internet of the victim, gather all information in the background, and send it to someone else?

    a. Malware

    b. Spyware

    c. Adware

    d. All of the above

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Answer: b

Explanation: It is generally defined as the software designed to enter the target's device or computer system, gather all information, observe all user activities, and send this information to a third party. Another important thing about the spyware is that it works in the background sends all information without your permission.

5) _____ is a type of software designed to help the user's computer detect viruses and avoid them.

    a. Malware

    b. Adware

    c. Antivirus

    d. Both B and C

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Answer: c

Explanation: An antivirus is a kind of software tha
computer to detect the virus as well as to avoid the h
the virus already resides in the user's computer, it ca

system with antivirus help.

6) Which one of the following is a type of antivirus program?

    a. Quick heal

    b. Mcafee

    c. Kaspersky

    d. All of the above

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Answer: d

Explanation: Antivirus is a kind of software program that helps to detect and remove viruses form the user's computer and provides a safe environment for users to work on. There are several kinds of antivirus software are available in the market, such as Kaspersky, Mcafee, Quick Heal, Norton etc., so the correct answer is D.

7) It can be a software program or a hardware device that filters all data packets coming through the internet, a network, etc. it is known as the_____:

    a. Antivirus

    b. Firewall

    c. Cookies

    d. Malware

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Answer: b

Explanation: There are two types of firewalls - softwa

These types of firewalls filter each and every data pa

such as network; internet so that any kind of virus wou

In some cases where the firewall detects any suspicious data packet, it immediately burns or terminates that data packet. In short, we can also say that it is the first line of defense of the system to avoid several kinds of viruses.

8) Which of the following refers to stealing one's idea or invention of others and use it for their own benefits?

   a. Piracy

   b. Plagiarism

   c. Intellectual property rights

   d. All of the above

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9) Read the following statement carefully and find out whether it is correct about the hacking or not?

It can be possible that in some cases, hacking a computer or network can be legal.

   a. No, in any situation, hacking cannot be legal

   b. It may be possible that in some cases, it can be referred to as a legal task

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10) Which of the following refers to exploring the appro environment and digital media platform?

   a. Cyber low

b. Cyberethics

c. Cybersecurity

d. Cybersafety

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11) Which of the following refers to the violation of the principle if a computer is no more accessible?

a. Access control

b. Confidentiality

c. Availability

d. All of the above

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12) Which one of the following refers to the technique used for verifying the integrity of the message?

a. Digital signature

b. Decryption algorithm

c. Protocol

d. Message Digest

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13) Which one of the following usually used in the process of Wi-Fi-hacking?

a. Aircrack-ng

b. Wireshark

c. Norton

d. All of the above

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14) Which of the following port and IP address scanner famou

a. Cain and Abel

b. Angry IP Scanner

c. Snort

d. Ettercap

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15) In ethical hacking and cyber security, there are _____ types of scanning:

a. 1

b. 2

c. 3

d. 4

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16) Which of the following is not a type of scanning?

a. Xmas Tree Scan

b. Cloud scan

c. Null Scan

d. SYN Stealth

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17) In system hacking, which of the following is the most crucial activity?

    a. Information gathering

    b. Covering tracks

    c. Cracking passwords

    d. None of the above

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18) Which of the following are the types of scanning?

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    a. Network, vulnerability, and port scanning

    b. Port, network, and services

    c. Client, Server, and network

    d. None of the above

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19) Which one of the following is actually considered as the first computer virus?

    a. Sasser

    b. Blaster

    c. Creeper

    d. Both A and C

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20) To protect the computer system against the hacker and different kind of viruses, one must always keep _____ on in the computer system.

    a. Antivirus

    b. Firewall

    c. Vlc player

    d. Script

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21) Code Red is a type of _____

    a. An Antivirus Program

    b. A photo editing software

    c. A computer virus

    d. A video editing software

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22) Which of the following can be considered as the elements of cyber security?

    a. Application Security

    b. Operational Security

    c. Network Security

    d. All of the above

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23) Which of the following are famous and common cyber-attacks used by hackers to infiltrate the user's system?

a. DDos and Derive-by Downloads

b. Malware & Malvertising

c. Phishing and Password attacks

d. All of the above

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24) Which one of the following is also referred to as malicious software?

a. Maliciousware

b. Badware

c. Ilegalware

d. Malware

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25) Hackers usually used the computer virus for _____ purpose.

a. To log, monitor each and every user's stroke

b. To gain access the sensitive information like user's Id and Passwords

c. To corrupt the user's data stored in the computer system

d. All of the above

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26) In Wi-Fi Security, which of the following protocol is more

a. WPA

b. WPA2

c. WPS

d. Both A and C

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27) The term "TCP/IP" stands for_____

    a. Transmission Contribution protocol/ internet protocol

    b. Transmission Control Protocol/ internet protocol

    c. Transaction Control protocol/ internet protocol

    d. Transmission Control Protocol/ internet protocol

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28) The response time and transit time is used to measure the _____ of a network.

    a. Security

    b. Longevity

    c. Reliability

    d. Performance

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29) Which of the following factor of the network gets hugely impacted when the number of users exceeds the network's limit?

    a. Reliability

    b. Performance

    c. Security

    d. Longevity

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30) In the computer networks, the encryption techniques are primarily used for improving the _____

   a. Security

   b. Performance

   c. Reliability

   d. Longevity

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31) Which of the following statements is correct about the firewall?

   a. It is a device installed at the boundary of a company to prevent unauthorized physical access.

   b. It is a device installed at the boundary of an incorporate to protect it against the unauthorized access.

   c. It is a kind of wall built to prevent files form damaging the corporate.

   d. None of the above.

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32) When was the first computer virus created?

   a. 1970

   b. 1971

   c. 1972

   d. 1969

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33) Which of the following is considered as the world's first aı

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a. Creeper

b. Reaper

c. Tinkered

d. Ray Tomlinson

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34) Which one of the following principles of cyber security refers that the security mechanism must be as small and simple as possible?

a. Open-Design

b. Economy of the Mechanism

c. Least privilege

d. Fail-safe Defaults

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35) Which of the following principle of cyber security restricts how privileges are initiated whenever any object or subject is created?

a. Least privilege

b. Open-Design

c. Fail-safe Defaults

d. None of the above   ⊗

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36) Suppose an employee demands the root access to a UN
right or access should not be given to the employee unle
rights, privileges. It can be considered as a perfect example o

a. Least privileges

b. Open Design

c. Separation of Privileges

d. Both A & C

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37) Which of the following can also consider as the instances of Open Design?

a. CSS

b. DVD Player

c. Only A

d. Both A and B

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38) Which one of the following principles states that sometimes it is become more desirable to rescored the details of intrusion that to adopt more efficient measure to avoid it?

a. Least common mechanism

b. Compromise recording

c. Psychological acceptability

d. Work factor

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39) The web application like banking websites should ask its users to log-in again after some specific period of time, let say 30 min. It can be considered as an example of which cybersecurity principle?

   a. Compromise recording

   b. Psychological acceptability

   c. Complete mediation

   d. None of the above

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40) Which one of the following statements is correct about Email security in the network security methods?

   a. One has to deploy hardware, software, and security procedures to lock those apps down.

   b. One should know about what the normal behavior of a network look likes so that he/she can spot any changes, breaches in the behavior of the network.

   c. Phishing is one of the most commonly used methods that are used by hackers to gain access to the network

   d. All of the above

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41) Which of the following statements is true about the VPN in Network security?

   a. It is a type of device that helps to ensure that communication between a device and a network is secure.

   b. It is usually based on the IPsec(IP Security) or SSL (Secure Sockets Layer)

   c. It typically creates a secure, encrypted virtual "tunnel" over the open internet

   d. All of the above

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42) Which of the following type of text is transformed with th

   a. Transformed text

   b. Complex text

   c. Scalar text

d. Plain text

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43) The term "CHAP" stands for _____

    a. Circuit Hardware Authentication Protocols

    b. Challenge Hardware Authentication Protocols

    c. Challenge Handshake Authentication Protocols

    d. Circuit Handshake Authentication Protocols

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44) Which type of the following malware does not replicate or clone them self's through infection?

    a. Rootkits

    b. Trojans

    c. Worms

    d. Viruses

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45) Which of the following malware's type allows the attacker to access the administrative controls and enables his/or her to do almost anything he wants to do with the infected computers.

    a. RATs

    b. Worms

    c. Rootkits

    d. Botnets

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46) Which of the following statements is true about the Troja

    a. Trojans perform tasks for which they are designed c

    b. Trojans replicates them self's or clone them self's th

   c. Trojans do nothing harmful to the user's computer systems

   d. None of the above

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47) Which of the following is just opposite to the Open Design principle?

   a. Security through obscurity

   b. Least common mechanism

   c. Least privileges

   d. Work factor

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48) Which of the following is a type of independent malicious program that never required any host program?

   a. Trojan Horse

   b. Worm

   c. Trap Door

   d. Virus

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49) Which of the following usually considered as the default port number of apache and several other web servers?

   a. 20

   b. 40

   c. 80

   d. 87

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50) DNS translates a Domain name into _____

   a. Hex

b. Binary

c. IP

d. URL

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51) Which one of the following systems cannot be considered as an example of the operating systems?

a. Windows 8

b. Red Hat Linux

c. BSD Linux

d. Microsoft Office

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52) In the CIA Triad, which one of the following is not involved?

a. Availability

b. Confidentiality

c. Authenticity

d. Integrity

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53) In an any organization, company or firm the policies of information security come under_____

a. CIA Triad

b. Confidentiality

c. Authenticity

d. None of the above

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54) Why are the factors like Confidentiality, Integrity, A
fundamentals?

a. They help in understanding the hacking process

b. These are the main elements for any security breach

c. They help to understand the security and its components in a better manner

d. All of the above

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55) In order to ensure the security of the data/ information, we need to _____ the data:

a. Encrypt

b. Decrypt

c. Delete

d. None of the above

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56) Which one of the following is considered as the most secure Linux operating system that also provides anonymity and the incognito option for securing the user's information?

a. Ubuntu

b. Tails

c. Fedora

d. All of the above

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57) Which type following UNIX account provides all types of privileges and rights which one can perform administrative functions?

a. Client   ⊗

b. Guest

c. Root

d. Administrative

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58) Which of the following is considered as the first hacker's conference?

a. OSCON

b. DEVON

c. DEFCON

d. SECTION

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59) Which of the following known as the oldest phone hacking techniques used by hackers to make free calls?

a. Phreaking

b. Phishing

c. Cracking

d. Spraining

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60) Name of the Hacker who breaks the SIPRNET system?

a. John Draper

b. Kevin Mitnick

c. John von Neumann

d. Kevin Poulsen

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