

কলেজপাড়া যুব

কম্পিউটার প্রশিক্ষণ কেন্দ্র

BASIC

# CYBER SECURITY

MCQ  
QUESTIONS



OUR PROFESSIONAL  
COURSE PARTNER





1. \_\_\_\_\_ are tiny files which get downloaded to your system when you visit a website  
**A) Cookies**  
B) Caches  
C) Bots  
D) Crawlers
2. \_\_\_\_\_ gets propagated through networks and technologies like SMS, Bluetooth, wireless medium, USBs and infrared to affect mobile phones  
A) Worms  
B) Antivirus  
**C) Malware**  
D) Multimedia files
3. \_\_\_\_\_ are essential because they frequently comprise of critical patches to security holes.  
A) System software  
B) Utility software  
C) Software executables  
**D) Software updates**
4. \_\_\_\_\_ is populating the inbox of any target victim with unsolicited or junk  
A) Phishing  
**B) Spamming**  
C) Hooking  
D) DoS
5. \_\_\_\_\_ is an anti-malware tool found in newer OS which is designed for protecting computers from viruses, spyware & other malware  
A) Norton Antivirus  
**B) Windows Defender**  
C) Anti-malware  
D) Microsoft Security Essentials
6. \_\_\_\_\_ technique is also used in product advertisement  
A) Phishing  
**B) e-Banners**  
C) Cookies  
D) Spamming
7. \_\_\_\_\_ is a network reliability issue  
A) The number of users  
B) The type of transmission medium  
**C) The frequency of failure**  
D) Unauthorized access
8. \_\_\_\_\_ monitors user activity on internet and transmit that information in the background to someone else  
A) Malware  
**B) Spyware**  
C) Adware  
D) None of these
9. "Cyberspace" was coined by \_\_\_\_\_



- A) Richard Stallman
- B) William Gibson**
- C) Andrew Tannenbaum
- D) Scott Fahlman

10. A \_\_\_\_\_ is a method in which a computer security mechanism is bypassed untraceable for accessing the computer or its information

- A) front-door
- B) backdoor**
- C) clickjacking
- D) key-logging

11. A \_\_\_\_\_ is a small malicious program that runs hidden on infected system.

- A) Virus
- B) Trojan**
- C) Shareware
- D) Adware

12. A \_\_\_\_\_ is a process of breaking a password protected system or server by simply & automatically entering every word in a dictionary as a password

- A) Dictionary attack**
- B) Phishing attack
- C) Social engineering attack
- D) MiTM attack

13. A company requires each employee to power off his

computer at the end of the day. This rule was implemented to make the network\_\_\_\_\_

- A) perform better
- B) more reliable
- C) more secure**
- D) more error-free

14. A digital signature is

- A) a bit string giving identity of a correspondent
- B) a unique identification of a sender
- C) an authentication of an electronic record by tying it uniquely to a key only a sender knows**
- D) an encrypted signature of a sender

15. A Firewall is a

- A) wall built to prevent fires from damaging a corporate intranet
- B) security device deployed at the boundary of a company to prevent unauthorized physical access
- C) security device deployed at the boundary of a corporate intranet to protect it from unauthorized access**
- D) device to prevent all accesses from the internet to the corporate intranet

16. A firewall may be implemented in



**A) routers which connect intranet to internet**

- B) bridges used in an intranet
- C) expensive modem
- D) user's application programs

17. A \_\_\_\_\_ is illicitly introduced code that damages a network device

- A) Protocol
- B) Virus**
- C) Catastrophe
- D) Medium

18. All of the following are examples of real security and privacy threats except

- A) Hackers
- B) Virus
- C) Spam**
- D) Worm

19. Attackers could steal \_\_\_\_\_ to achieve illegitimate accessing to online accounts & disturbs the personal information

- A) plug-ins
- B) cache
- C) cookies**
- D) history

20. BIOS is abbreviated as \_\_\_\_\_

- A) Basic Input Output Server
- B) Basic Internet Output Systems

**C) Basic Input Output System**

D) Battery-based Input Output System

21. Browser \_\_\_\_\_ are impermanent internet files which helps the browsers download web images, data & documents for rapid performance & viewing in the future

- A) plug-ins
- B) Cache**
- C) ad-on
- D) history

22. Brute force attack is \_\_\_\_\_

- A) fast
- B) inefficient
- C) slow**
- D) complex to understand

23. Certification of Digital signature by an independent authority is needed because

- A) it is safe
- B) it gives confidence to a business
- C) the authority checks and assures customers that the public key indeed belongs to the business which claims its ownership**
- D) private key claimed by a sender may not be actually his





24. Compromising confidential information comes under \_\_\_\_\_

- A) Bug
- B) Threat**
- C) Vulnerability
- D) Attack

25. Conversion of Cypher text to plain text

- A) Encryption
- B) Decryption**
- C) None of these answers
- D) Simple Text

26. EDI (Electronic Data Interchange) use

- A) required an extranet
- B) requires value added network
- C) can be done on internet**
- D) requires a corporate intranet

27. For secure EDI( Electronic Data Interchang ) transmission on internet

- A) MIME is used
- B) S/MIME is used**
- C) PGP is used
- D) TCP/IP is used

28. Governments hired some highly skilled hackers for providing cyber security for the country or state. These types of hackers are termed as \_\_\_\_\_

**A) Nation / State sponsored hackers**

- B) CIA triad
- C) Special Hackers
- D) Government Hackers

29. Identify the oldest phone hacking technique used by hackers to make free calls

- A) Spamming
- B) Phreaking**
- C) Cracking
- D) Phishing

30. If you set up a BUS network, what is the major disadvantage?

- A) It is entirely wireless and open to wifi-based attacks
- B) It is daisy-chained together with several cables
- C) It is linked with a single cable which can be a major vulnerability**
- D) It is connected in a star pattern and can be disabled by disrupting one data center

31. In \_\_\_\_\_ session hijacking, hackers gain session ID for taking control of existing session or even create a new unauthorized session

- A) network level
- B) physical level**
- C) application level
- D) data level



32. Increase your security for social media account by always \_\_\_\_\_ as you step away from the system

- A) signing in
- B) logging out**
- C) signing up
- D) logging in

33. Many social media sites and services provide \_\_\_\_\_ for legitimate account verification

- A) Retina scanning
- B) 2-step verification**
- C) Fingerprint scanning
- D) CAPTCHA

34. Message can be sent more securely using DES by

- A) Phishing
- B) Cookies
- C) e-Banners**
- D) Spamming

35. Message can be sent more securely using DES by

- A) encrypting plain text by a different randomly selected key for each transmission
- B) encrypting plain text by a different random key for each message transmission and sending the key to the receiver using a public key system**

- C) using an algorithm to implement DES instead of using hardware
- D) designing DES with high security and not publicizing algorithm used by it

36. Mobile Phone OS contains open APIs that may be \_\_\_\_\_ attack

- A) useful for
- B) vulnerable to**
- C) easy to
- D) meant for

37. Mobile security is also known as \_\_\_\_\_

- A) OS Security
- B) Wireless security**
- C) Cloud security
- D) Database security

38. Once activated \_\_\_\_\_ can enable \_\_\_\_\_ to spy on the victim, steal their sensitive information & gain backdoor access to the system.

- A) virus, cyber-criminals
- B) malware, penetration testers
- C) trojans, cyber-criminals**
- D) virus, penetration testers

39. Part of the social media sites are the various games & 3rd party applications which helps \_\_\_\_\_ to get access to your data



- A) ethical hackers
- B) penetration testers
- C) security auditors
- D) cyber-criminals**

40. Password are used to improve the\_\_\_\_\_of a Network

- A) Performance
- B) Reliability
- C) Application Security
- D) All of the above**

41. Possible threat to any information cannot be \_\_\_\_\_

- A) reduced
- B) transferred
- C) protected
- D) ignored**

42. Saving passwords in the browser is a good habit

- A) True
- B) False**
- C) nan
- D) nan

43. Since most \_\_\_\_\_ occur at the very beginning of the TCP session, this allows hackers to gain access to any system.

- A) authentications**
- B) breaches
- C) integrations
- D) associations

44. TCP is used for what three main functions

**A) Connect to the Web, deliver email, and transfer files**

- B) Connect to the Web, compress data, encrypt mail
- C) Connect to the Web, conceal data, transfer files
- D) Connect to the Web, encrypt data, transmit information

45. The full form of EDR is \_\_\_\_\_

- A) Endpoint Detection and recovery
- B) Early detection and response
- C) Endpoint Detection and response**
- D) Endless Detection and Recovery

46. The threat of backdoors started when \_\_\_\_\_ & \_\_\_\_\_ OSs became widely accepted

- A) single-user, Windows
- B) multiuser, networked**
- C) single-user, UNIX
- D) multiuser, UNIX

47. There are \_\_\_\_\_ types of session hijacking

- A) 2**
- B) 3
- C) Longevity
- D) Security

48. There are two types of firewalls. What are they



A) Internet-based and home-based

**B) Hardware and software**

C) Remote and local

D) Digital and electronic

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50. TPM is abbreviated as \_\_\_\_\_

A) Trusted Platform Mode

**B) Trusted Platform Module**

C) Trusted Privacy Module

D) True Platform Module

51. Transit time and response time measure the \_\_\_\_\_ of a network

**A) Performance**

B) Reliability

C) Security

D) Longevity

52. Trojan creators do not look for \_\_\_\_\_

A) Credit card information

B) Confidential data

**C) Securing systems with such programs**

D) Important documents

53. True or False? Malware exists which affects both Windows and Linux systems.

**A) True**

B) False

C) Vulnerability

D) Threat

54. Try not to keep \_\_\_\_\_ passwords, especially fingerprint for your smart-phone, because it can lead to physical hacking if you're not aware or asleep.

**A) Biometric**

B) PIN-based

C) Alphanumeric

D) Short

55. Unsolicited commercial email is known as \_\_\_\_\_

**A) Spam**

B) Malware

C) Virus

D) Spyware

56. What is a captcha?

A) A spam email that attempts to "capture" information and then use that information to cause damage; the second phase is often referred to as the "gotcha" phase.

B) A SPAM email written in all caps

**C) It is a tool website often use to prevent automated spammer bots**





from posting or registering on a website by forcing the user to do a task, often entering in letters or numbers based on a picture or audio, which verifies that they are human.

D) A group of characters in hidden in an email that often includes code used in malware

### 57. What is a Joe Job?

- A) A virus
- B) An antivirus
- C) A spam attacks**
- D) An antispam

### 58. What is another name for Internet Layer

- A) TCP Layer
- B) Interwebs
- C) SSL Layer
- D) IP Layer**

### 59. What is DHA

- A) Directory Harvest Attack**
- B) DNS Harvest Attack
- C) Direct Harvest Attack
- D) Dictionary Harvest Attack

### 60. What is one way that a web browser is vulnerable to breaching?

- A) A browser can be infected by closing it

B) A virus can be sent through the monitor

**C) A browser plugin can be exploited**

D) Web browsers are impervious to exploitation

### 61. What is the difference between a worm and Virus?

- A) A worm does not replicate itself like a virus does, but rather moves from computer to computer
- B) A virus infects files, while a worm eats them
- C) A worm is a virus created for a very specific purpose
- D) Unlike a virus, a worm does not need to attach itself to a program to spread**

### 62. What is the existence of weakness in a system or network is known as?

- A) Attack
- B) Exploit
- C) Threat**
- D) Vulnerability

### 63. What is the top method an attacker might infect a target

- A) Social engineering or psychological manipulation**
- B) SQL injection
- C) Buffer overflow
- D) Hacking via the Internet



64. What Security tradeoff occurs while using IDS(Intrusion Detection System)?

- A) Change in permission
- B) Login Failures
- C) Change in privilege
- D) Performance degradation**

65. When a person is harrassed repeatedly by being followed, called or be written to he/she is a target of

- A) Bullying
- B) Stalking**
- C) Identity theft
- D) Phishing

66. When is encrypted data the safest

- A) When it is being trasferred via usb stick
- B) When it is in transit
- C) When it is being written. When it is at rest**
- D) When it is being written

67. Where might a spammer get your personal information from

- A) Facebook
- B) MySpace
- C) LinkedIn
- D) All of these**

68. Which Key is used to decrypt the message in PKI?

- A) Public Key
- B) Private Key**
- C) Pre-shared Secret Key
- D) Hybrid Key

69. Which of the following act violates cyber security?

- A) Exploit
- B) Attack**
- C) security auditors
- D) cyber-criminals

70. Which of the following actions compromise cyber security?

- A) Vulnerability
- B) Attack
- C) Threat**
- D) Exploit

71. Which of the following are different categories of viruses

- A) Parasitic
- B) Bootstrap sector
- C) Companion
- D) All of the above**

72. Which of the following are direct harms caused by spam

- A) Loss of productivity
- B) Increased downloading costs
- C) Increased infrastructure costs
- D) All of the above**



73. Which of the following can diminish the chance of data leakage?

**A) Steganography**

B) Chorography

C) Cryptography

D) Authentication

74. Which of the following comes under the advantage of dictionary attack?

A) Time-consuming

B) Moderate efficient

**C) Very fast**

D) Complex to carry-out

75. Which of the following enables secure and private data exchange/transfer on an unsecure public network

**A) Public Key Infrastructure**

B) Virtual Key Infrastructure

C) Private Key Infrastructure

D) All of the given options are correct

76. Which of the following is a component of cyber security

**A) Internet Of Things**

B) AI

C) Database

D) Attacks

77. Which of the following is a session hijacking tool

**A) T-Sight**

B) Wireshark

C) Maltego

D) Nessus

78. Which of the following is a Stuxnet?

A) Trojan

B) Antivirus

**C) Worm**

D) Virus

79. Which of the following is a type of cyber-attack?

A) Phishing

B) SQL Injections

C) Password Attack

**D) All of the above**

80. Which of the following is a type of cyber security?

A) Cloud Security

B) Network Security

C) Application Security

**D) All of the above**

81. Which of the following is a type of cyber security?

A) Cloud Security

B) Network Security

C) nan

**D) nan**

82. Which of the following is an anti-virus program



- A) Norton  
B) K7  
C) Quick heal  
**D) All of these**
83. Which of the following is an objective of network security?
- A) Confidentiality  
B) Integrity  
C) Availability  
**D) All of the above**
84. Which of the following is not a step followed by cyber-criminals in data breaching?
- A) Exfiltration  
B) Research and info-gathering  
C) Attack the system  
**D) Fixing the bugs**
85. Which of the following is not a technique used by spammers?
- A) Spoofing the domain**  
B) Sending attached virus in spams  
C) Junk tags associated with spam-emails  
D) Making important deals through such emails
86. Which of the following is not a well-known anti-virus program?
- A) AVAST  
**B) SMAG**  
C) AVG  
D) McAfee
87. Which of the following is not an advantage of dictionary attack?
- A) Very fast  
B) Time-saving  
C) Easy to perform  
**D) Very tough and inefficient**
88. Which of the following is not an appropriate way of targeting a mobile phone for hacking?
- A) Target mobile hardware vulnerabilities  
B) Target apps' vulnerabilities  
C) Setup Keyloggers and spyware in smart-phones  
**D) Snatch the phone**
89. Which of the following is not an email-related hacking tool?
- A) Mail Password  
B) Email Finder Pro  
C) Mail PassView  
**D) Sendinc**
90. Which of the following is the hacking approach where cyber-criminals design fake websites or pages for tricking or gaining additional traffic?
- A) Pharming**  
B) Website-Duplication  
C) Mimicking  
D) Spamming





91. Which of the following is the most viral section of the internet?

- A) Chat Messenger
- B) Social networking sites**
- C) Tutorial sites
- D) Chat-rooms

92. Which of the following online service's privacy cannot be protected using Tor?

- A) Browsing data
- B) Instant messaging
- C) Login using ID**
- D) Relay chats

93. Which of the following spam filtering techniques has the highest potential for generating false positives

- A) Community Filtering
- B) Bayesian Filtering
- C) Challenge-Response Filtering
- D) Keyword Filtering**

94. Which of the following term refers to a group of hackers who are both white and black hat?

- A) Yellow Hat hackers
- B) Grey Hat hackers**
- C) Red Hat Hackers
- D) White-Black Hat Hackers

95. Which of the following type of attack can actively modify communications or data

- A) Both Active and Passive attack
- B) Neither Active nor Passive attack
- C) Active attack**
- D) Passive attack

96. Which of them is not an objective of sniffing for hackers?

- A) Fetching passwords
- B) Email texts
- C) Types of files transferred
- D) Geographic location of a user**

97. While sending a signed message, a sender

- A) sends message key using public key encryption using DES and hashed message using public key encryption**
- B) sends message using public key encryption and hashed message using DES
- C) sends both message and hashed message using DES
- D) sends both message and hashed message using public key encryption

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