

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY

QUESTION BANK

Unit Test-II

Program: - Computer Engineering Group

Program Code:- CM/IF

Course Title: -Emerging Trends in Computer Technology

Semester: - Sixth

Course Abbr & Code:-ETI (22618)

Scheme: I

MULTIPLE CHOICE QUESTIONS AND ANSWERS

Chapter 4- Digital Forensics (CO4)

1.pays vital role in criminal justice systems
 - a) **Forensics science**
 - b) Digital evidences
 - c) Volatile Evidence
 - d) All of the Above

2. Federal Bureau of Investigation program is currently referred to as.....
 - a) Magnet Media Program
 - b) **Computer Analysis and Response Team (CART)**
 - c) INTERPOL
 - d) Computer Forensic Laboratory

3. Digital forensics is all of them except:
 - a) Extraction of computer data.
 - b) Preservation of computer data.
 - c) Interpretation of computer data.
 - d) **Manipulation of computer data.**

4. Which of following are rule of digital forensics?
 - a) An examination should never be performed on the original data
 - b) The copy of the evidence must be an exact, bit-by-bit copy
 - c) The chain of custody of all evidence must be clearly maintained
 - d) The examination must be conducted in such a way as to prevent any modification of the evidence.
 - e) **All of the Above**

5. Which of following is not a rule of digital forensics?
 - a) **An examination should be performed on the original data**
 - b) A copy is made onto forensically sterile media
 - c) The copy of the evidence must be an exact, bit-by-bit copy
 - d) The chain of custody of all evidence must be clearly maintained

6. IDIP stands for:
 - a) **Integrated Digital Investigation Process.**
 - b) Integrated Data Investigator Process.
 - c) Integrated Digital Investigator Process.
 - d) Independent Digital Investigator Process.

7. Who is the father of Computer Forensics?
- G.Palmar
 - Michael Anderson**
 - S.Ciardhuain
 - Carrier and Safford
8. Who proposed Abstract Digital Forensic model (ADFM)
- Reith, Carr, Gunsh**
 - S.Ciardhuain
 - Carrier and Safford
 - G.Palmar
9. Which model of Investigation proposed by S.Ciardhuain?
- Extended Model of Cybercrime Investigation (EMCI)
 - Integrated Digital Investigation Process(IDIP)
 - Road Map for Digital Forensic Research (RMDFR)
 - Extended Model of Cybercrime Investigation (EMCI)**
10. Which Forensic Model is more likely the most comprehensive till date?
- Abstract Digital Forensic model (ADFM)
 - Integrated Digital Investigation Process(IDIP)
 - Extended Model of Cybercrime Investigation (EMCI)**
 - Road Map for Digital Forensic Research (RMDFR)
11. Which phase record the physical scene and duplicate digital evidence using standardized and accepted procedures?
- Identification
 - Preservation
 - Collection**
 - Examination
 - Analysis
12. Which phase provides a mechanism for an incident to be detected and confirmed?
- Readiness phase
 - Deployment phase**
 - Physical Crime Investigation phase
 - Digital Crime Investigation phase
 - Review phase
13. Which phase includes putting the pieces of a digital puzzle together and developing investigative hypotheses?
- Preservation phase
 - Survey phase
 - Documentation phase
 - Reconstruction phase**
14. Which phase investigator transfers the relevant data from a venue out of physical or administrative control of the investigator to a controlled location?
- Preservation phase
 - Survey phase**
 - Documentation phase
 - Reconstruction phase
 - Presentation phase

15. Which phase entails a review of the whole investigation and identifies area of improvement?
- a) Physical crime investigation
 - b) Digital crime investigation.
 - c) Review phase.**
 - d) Deployment phase
16. Ethical decision making in digital forensic work consist which of the following:
- a) Honesty towards the investigation
 - b) Prudence means carefully handling the digital evidences
 - c) Compliance with the law and professional norms.
 - d) All of the Above**
17. Which of following is/are general Ethical norm for Investigator?
- a) To contribute to society and human being.
 - b) To avoid harm to others.
 - c) To be honest and trustworthy.
 - d) All of above**
 - e) None of above
18. Which of following is/are Unethical norms for Investigator?
- a) Uphold any relevant evidence.
 - b) Declare any confidential matters or knowledge.
 - c) Distort or falsify education, training, credentials.
 - d) All of above**
 - e) None of above
19. Which of following is not general ethical norm for Investigator?
- a) To contribute to society and human being.
 - b) To express an opinion on the guilt or innocence belonging to any party**
 - c) To be honest and trustworthy.
 - d) To honor confidentially.
20. Which of following is a not unethical norm for Digital Forensics Investigation?
- a) Uphold any relevant evidence.
 - b) Declare any confidential matters or knowledge.
 - c) Distort or falsify education, training, credentials.
 - d) Should be fair and take action not to discriminate.**
21. In the past, the method for expressing an opinion has been to frame a.....question based on available factual evidence.
- a) Hypothetical**
 - b) Nested
 - c) Challenging
 - d) Contradictory
22. More subtle because you are not aware that you are running these macros (the document opens and the application automatically runs); spread via email
- a) The purpose of copyright
 - b) Danger of macro viruses**
 - c) Derivative works
 - d) computer-specific crime

23. There are three c's in computer forensics. Which is one of the three?
- a) **Control**
 - b) Chance
 - c) Chains
 - d) Core
24. What is Digital Forensic?
- a) Process of using scientific knowledge in analysis and presentation of evidence in court
 - b) **The application of computer science and investigative procedures for a legal purpose involving the analysis of digital evidence after proper search authority, chain of custody, validation with mathematics, use of validated tools, repeatability, reporting, and possible expert presentation**
 - c) process where we develop and test hypotheses that answer questions about digital events
 - d) Use of science or technology in the investigation and establishment of the facts or evidence in a court of law
25. Digital Forensics entails
- a) Accessing the system's directories viewing mode and navigating through the various systems files and folders
 - b) Undeleting and recovering lost files
 - c) Identifying and solving computer crimes
 - d) **The identification, preservation, recovery, restoration and presentation of digital evidence from systems and devices**
26. Which of the following is FALSE?
- a) The digital forensic investigator must maintain absolute objectivity
 - b) **It is the investigator's job to determine someone's guilt or innocence.**
 - c) It is the investigator's responsibility to accurately report the relevant facts of a case.
 - d) The investigator must maintain strict confidentiality, discussing the results of an investigation on only a "need to know"
27. What is the most significant legal issue in computer forensics?
- a) Preserving Evidence
 - b) Seizing Evidence
 - c) **Admissibility of Evidence**
 - d) Discovery of Evidence
28. Which of the following is not a property of computer evidence?
- a) Authentic and Accurate.
 - b) Complete and Convincing.
 - c) Duplicated and Preserved.
 - d) **Conform and Human Readable.**
29.can breaks investigation.
- a) Crime
 - b) Security
 - c) Digital Forensic
 - d) **Evidence**
30. The digital evidence are used to establish a credible link between.....
- a) **Attacker and victim and the crime scene**
 - b) Attacker and the crime scene
 - c) Victim and the crime scene
 - d) Attacker and Information

31. Digital evidences must follow the requirements of the
- a) Ideal Evidence rule
 - b) Best Evidence rule**
 - c) Exchange rule
 - d) All of the above
32. The true or real copy of the evidence media which is given by victim/client.
- a) Superior evidence
 - b) Best Evidence
 - c) Original Evidence
 - d) All of the Above**
33. Which property defines evidence must be usable in the court.
- a) Admissible**
 - b) Authentic
 - c) Complete
 - d) Reliable
34. From the two given statements 1 and 2, select the correct option from a-d.
1. Original media can be used to carry out digital investigation process.
 2. By default, every part of the victim's computer is considered as unreliable.
- a) 1 and 2 both are true
 - b) 1 is true and 2 is false
 - c) 1 and 2 both are false
 - d) 1 is false and 2 is true**
35. Which of following is/are sources of digital evidence?
- a) Internet-based
 - b) Stand-alone computers
 - c) Mobile devices
 - d) All of the Above**
36. The criminological principle which states that, when anyone, or anything, enters a crime scene he/she takes something of the scene with him/her, and leaves something of himself/herself behind, is:
- a) Locard's Exchange Principle**
 - b) Differential Association Theory
 - c) Beccaria's Social Contract
 - d) None of the above
37. When an incident takes place, a criminal will leave hint evidence at the scene and remove a hint from the scene which is called as
- a) Locard's Exchange principle**
 - b) Anderson's Exchange principle
 - c) Charles's Anthony principle
 - d) Kevin Ashton principle
38. Evidence transfer in the physical and digital dimensions helps investigators establish connections between.....
- a) Victims and offenders
 - b) Victims and crime scenes
 - c) Offenders and crime scenes
 - d) Victims, offenders and crime scenes**

39. Digital evidence is also defined as Information and data of value to an investigation that is
- a) Stored on electronic device
 - b) Transmitted by an electronic device
 - c) Received by an electronic device
 - d) All of the above**
40. The evidences or proof that can be obtained from the electronic source is called as.....
- a) Digital evidence**
 - b) Demonstrative evidence
 - c) Explainable evidence
 - d) Substantial evidence
41. Photographs, videos, sound recordings, graphs, and charts are examples of which type of evidence.
- a) Demonstrative evidence**
 - b) Explainable Evidence
 - c) Substantial Evidence
 - d) Testimonial
42. Dried blood, fingerprints, DNA samples, casts of footprints at the crime scene are examples which type of evidence.
- a) Illustrative evidence
 - b) Explainable Evidence
 - c) Documented evidence
 - d) Substantial evidence**
43. The evidence spoken by the spectator under the oath is which type of evidence.
- a) Demonstrative evidence
 - b) Documented Evidence
 - c) Substantial Evidence
 - d) Testimonial**
44. For an evidence to be admissible, it is necessary that it should be.....
- a) Complete
 - b) Authenticated**
 - c) Reliable
 - d) Believable
45. Which is the important to establish a chain of custody?
- a) Save the original materials.
 - b) Take photos of physical evidence.
 - c) Take screenshots of digital evidence content.
 - d) Document date, time, and any other information of receipt.
 - e) All of the Above**
46. Which is not related with digital evidence?
- a) Work with the original evidence to develop procedures.**
 - b) Use clean collecting media.
 - c) Document any extra scope.
 - d) Consider safety of personnel at the scene.
47. The process of ensuring that providing the data that you have collected is similar to the data presented in a court is known as.....

- a) Evidence verification
 - b) Evidence validation**
 - c) Evidence authentication
 - d) Best evidence
48. Which of following is a most volatile evidence source?
- a) Main memory
 - b) Temporary file systems
 - c) Registers and cache**
 - d) Secondary memory
49. Which of the following is not a type of volatile evidence?
- a) Routing tables
 - b) Main memory
 - c) Log files**
 - d) Cached data
50. Computers can be involved in which of the following types of crime?
- a) Homicide and sexual assault
 - b) Computer intrusions and intellectual property theft
 - c) Civil disputes
 - d) All the above**

Chapter 5: Basics of Hacking (CO5)

1. Ethical Hacking is also known as
- a) Black Hat Hacking.
 - b) White Hat Hacking.**
 - c) Gray Hat Hacking
 - d) Script kiddies
2. Tool(s) used by ethical hacker.....
- a) Scanner
 - b) Decoder
 - c) Proxy
 - d) All of these.**
3. Vulnerability scanning in Ethical hacking finds.....
- a) Strengths.
 - b) Weakness.**
 - c) Both a and b
 - d) None of these.
4. Ethical hacking will allow to..... all the massive security breaches.
- a) Remove.
 - b) Measure.**
 - c) Reject.
 - d) None of these.
5. Sequential step hacker's use are: _ _ _ _ .
- 1. Maintaining Access.
 - 2. Reconnaissance
 - 3. Gaining Access.

4. Scanning
 - a) 2, 3, 4, 1
 - b) 4, 2, 3, 1
 - c) **2, 4, 3, 1**
 - d) 4, 3, 2, 1

6. What is social engineering?
 - a) A technique to identify vulnerabilities in a system or network
 - b) A technique to exploit vulnerabilities in a system or network
 - c) **A technique to manipulate people into giving up sensitive information**
 - d) A technique to fix vulnerabilities in a system or network

7. The term cracker refers to.....
 - a) **Black hat hacker.**
 - b) White hat hacker.
 - c) Grey hat hacker.
 - d) None of the above.

8. Who described a dissertation on fundamentals of hacker's attitude?
 - a) G. Palma.
 - b) **Raymond.**
 - c) Either.
 - d) Jhon Browman.

9. The term refers hackers with unlawful intentions.
 - a) **Black Hat Hacker**
 - b) White Hat Hacker
 - c) Gray Hat Hacker
 - d) Script kiddies

10. Which type of hackers hack systems to discover vulnerabilities to protect against unauthorized access, abuse, and misuse?
 - a) Black Hat Hacker.
 - b) Gray Hat Hacker
 - c) **Ethical Hacker**
 - d) Script kiddies

11. Which type of hackers uses hacking to send social, religious, and political, etc. messages?
 - a) White Hat Hacker
 - b) Black Hat Hacker
 - c) **Hacktivist**
 - d) Script kiddies

12. Which type of hacker hacks into computer systems without authority with a view to identify weaknesses and reveal them to the system owner?
 - a) White Hat Hacker
 - b) Black Hat Hacker
 - c) **Gray Hat Hacker**
 - d) Hacktivist
 - e) Script kiddies

13. The intent of ethical hacker is to discover vulnerabilities from a.....point of view to better secure system.

- a) Victims.
 - b) **Attackers.**
 - c) Both a and b
 - d) None of these.
14. Security audits are usually based on.....
- a) Entries.
 - b) **Checklists.**
 - c) Both a and b
 - d) None of the above
15. Ethical hacking is also known as
- a) Penetration testing.
 - b) Intrusion testing.
 - c) Red teaming.
 - d) **All of the above.**
16. What is main goal of ethical hacking?
- a) To cause damage to system
 - b) To gain unauthorized access to a system
 - c) **To identify and fix security vulnerabilities**
 - d) To steal sensitive information
- 17..... is a person who find and exploits the weakness in computer system.
- a) Victim
 - b) **Hacker**
 - c) Developer
 - d) None of the above.
- 18.....is similar to a backup, but it is a complete image of a protected system, including data and system files.
- a) Replication
 - b) Backup
 - c) **Snapshots**
 - d) DPLR
19.assure that user privileges are applied correctly.
- a) Authentication
 - b) **Authorization**
 - c) Replication
 - d) All of the Above
20. Data subjects can ask data controllers to “forget” their personal data is.....
- a) **Right to erasure**
 - b) Automated decision making
 - c) Transferring data outside the EU
 - d) Right to Control
21. Which entity that holds or processes personnel data on behalf of another organization?
- a) GDPR Data Controller
 - b) **GDPR Data Processor**
 - c) Data Protection Officer
 - d) All of the Above

22. is a set of strategies and processes you can use to secure the privacy, availability, and integrity of your data.
- a) Data privacy
 - b) Data protection
 - c) Data security
 - d) **Both b and c**
23. involves automating the transmission of critical data to offline and online storage.
- a) Data availability
 - b) **Data lifecycle management**
 - c) Information lifecycle management
 - d) All of the Above
24. Which of following is/are goal of ethical hacker?
- a) Hack your systems in a non-destructive fashion.
 - b) Enumerate vulnerabilities and, if necessary, prove to upper management that vulnerabilities exist.
 - c) Apply results to remove vulnerabilities and better secure your systems.
 - d) **All of the Above**
25. can create false feeling of safety.
- a) Firewall
 - b) Encryption
 - c) VPNs
 - d) **All the above**
26. Which of following rule must obey by ethical hacker?
- a) Get written permission from the owner of the computer system and/or computer network before hacking.
 - b) Protect the privacy of the organization been hacked.
 - c) Transparently report all the identified weaknesses in the computer system to the organization.
 - d) Inform hardware and software vendors of the identified weaknesses.
 - e) **All of the Above**
27. To connecting into network through a rogue modem attached to computer behind a firewall is an example of which type of attack?
- a) Nontechnical attacks
 - b) **Network infrastructure attack**
 - c) Operating system attack
 - d) Application and other specialized attack
28. Breaking file system security is an example of which type of attack?
- a) Nontechnical attacks
 - b) Network infrastructure attack
 - c) **Operating system attack**
 - d) Application and other specialized attack
29. Malicious software includes.....
- a) Viruses
 - b) Worms,
 - c) Trojan horses
 - d) **All of the Above**
30. should be done before ethical hacking process.

- a) Data gathering.
 - b) Attacking
 - c) **Planning**
 - d) Research
31. Which permission is necessary before ethical hacking?
- a) **Written permission.**
 - b) Decision maker permission
 - c) Privacy permission
 - d) Risk permission.
32. Ethical Hacker must obey which of following ethical hacking principle
- a) Working ethically
 - b) Respecting privacy
 - c) Not crashing your systems
 - d) **All of the Above**
33. Which tool is used to crack password?
- a) Ethereal
 - b) Nmap
 - c) Whisker
 - d) **LC4**
34. Which tool is used for depth analysis of a web application?
- e) Ethereal
 - f) Nmap
 - g) **Whisker**
 - h) LC4
35. Which tool is used to encrypt Email?
- a) WebInspect
 - b) QualyGuard
 - c) **PGP (pretty good privacy)**
 - d) None of the above.
36. What is vulnerability scanner?
- a) **A tool used to identify weaknesses in a system or network**
 - b) A tool used to exploit vulnerabilities in a system or network
 - c) A tool used to monitor network traffic
 - d) A tool used to block email spam
37. The Information Technology Act 2000 is an Act of Indian Parliament notified on.....
- a) 27th October 2000
 - b) 15th December 2000
 - c) 17th November 2000
 - d) **17th October 2000**
38. The offense “Receiving stolen computer or communication device” comes undersection of Cyber security Act 2000.
- a) **66B**
 - b) 67A
 - c) 66E
 - d) 66C

39. The offense "Failure /refusal to decrypt data" comes undersection of Cyber security Act 2000.
- a) 68
 - b) 69**
 - c) 70
 - d) 71
40. Which section penalized sending "offensive messages"?
- a) Section 66A**
 - b) Section 66B
 - c) Section 66C
 - d) Section 66D

Chapter -6 : Types of Hacking (CO6)

1. SNMP stands for.....
- a) Simple Network Messaging Protocol
 - b) Simple Network Mailing Protocol
 - c) Simple Network Management Protocol**
 - d) Simple Network Master Protocol
2. Which of the following tool is used for Network Testing and port Scanning.....
- a) NetCat
 - b) SuperScan
 - c) NetScan
 - d) All of above**
3. Banner grabbing is mostly used for.....
- a) White Hat Hacking**
 - b) Black Hat Hacking
 - c) Grey Hat Hacking
 - d) Script Kiddies
4. An attacker can create anattack by sending hundreds or thousands of e-mails a with very large attachments.
- a) Connection Attack
 - b) Auto responder Attack**
 - c) Attachment Overloading Attack
 - d) All the above
5. Which of the following tool is used for Windows for network queries from DNS lookups to trace routes?
- a) Sam Spade**
 - b) SuperScan
 - c) NetScan
 - d) Netcat
6. Which tool is used for ping sweeps and port scanning?
- a) Netcat

- b) SamSpade
- c) SuperScan**
- d) All the above

7. Which of the following tool is used for security checks as port scanning and firewall testing?

- a) Netcat**
- b) Nmap
- c) Data communication
- d) Netscan

8. What is the most important activity in windows vulnerabilities?

- a) Information gathering
- b) Cracking password**
- c) Escalating privileges
- d) Covering tracks

9. What is purpose of Denial of Service attacks?

- a) Exploit weakness in TCP/IP attack.
- b) To execute a Trojan horse on a system.
- c) To overload a system so it is no longer operational.**
- d) To shutdown services by turning them off.

10. Why would a ping sweep be used?

- a) To identify live systems**
- b) To locate live systems
- c) To identify open ports
- d) To locate firewalls

11. What port does Telnet use?

- a) 22
- b) 80
- c) 20
- d) 23**

12. An excessive amount of ARP requests can be a sign of an..... attack on your network.

- a) ARP poisoning attack**
- b) ARP Sniffing attack
- c) MAC-address poisoning
- d) MAC-address Sniffing

13. ARP spoofing is often referred to as.....

- a) Denial-of-Service attack
- b) Man-in-the-Middle attack**
- c) Sniffing attack
- d) Flooding attack

14.....watch out for unauthorized Access Points and wireless clients attached to your network that are running in ad-hoc mode

- a) **Rogue Network**
- b) ARP Poisoning
- c) Session Hijacking
- d) MAC spoofing

15.attack, which can take down your Internet connection or your entire network.

- a) MAC
- b) **DOS**
- c) IDS
- d) None of above

16. What are the port states determined by Nmap?

- a) Active, inactive, standby
- b) Open, half-open, closed
- c) **Open, closed, filtered**
- d) Active, closed, unused

17. include phishing, SQL injection, hacking, social engineering, spamming, denial of service attacks, Trojans, virus and worm attacks.

- a) Operating system vulnerabilities
- b) Web vulnerabilities
- c) Wireless network vulnerabilities
- d) **Network infrastructure Vulnerabilities**

18. What are some examples of hacker attacks against messaging system?

- a) Transmitting malware
- b) Crashing servers
- c) Obtaining remote control of workstations
- d) **All of the Above**

19. Which protocol plays important role in MAC –daddy attack?

- a) **ARP**
- b) FTP
- c) SMTP
- d) SNMP

20. What is one of the potential problems you may face if a hacker compromises your WLAN?

- a) Loss of network access
- b) Loss of confidential information
- c) Legal liabilities
- d) **All of the above**

21. “allintitle“ Google dork operator returns

- a) **results for pages that meet all of the keyword criteria**

- b) pages with specific text in their HTML title
- c) matches for URLs that meet all the matching criteria
- d) specific files containing title

22..... is a technique used by hackers to find the information exposed accidentally to the internet.

- a) Buffer overflow
- b) Google Dorking**
- c) Google Shadow
- d) GDPR

23. In, your hacker corrupts data within the, and that code change forces your system to overwrite important data.

- a) Stack Based, heap
- b) Stack Based, stack
- c) Heap-based, heap**
- d) Heap-based, stack

24. What is ARP poisoning or spoofing?

- a) It is a method of stealing personal data
- b) It is a type of man-in-the-middle (MITM) attack**
- c) It is a way to bypass firewalls
- d) It is a technique used to perform DDoS attacks

25. How can hackers modify ARP tables?

- a) By using a proxy server
- b) By running a program such as dsniff or Cain & Abel**
- c) By brute-forcing the network password
- d) By launching a phishing attack

26. What happens when a program or system process places more data than was originally allocated to be stored in a buffer?

- a) The data is compressed to fit within the buffer
- b) The extra data overflows and corrupts or overwrites other data in adjacent buffers**
- c) The data is automatically deleted
- d) The buffer expands to accommodate the extra data

27. What is a buffer-overflow attack?

- a) An attack that causes a program to stop functioning
- b) An attack that fills up the hard drive with useless data
- c) An attack that sends extra data to a program's buffer to corrupt or overwrite adjacent data**
- d) An attack that steals personal data from a program's buffer

28. What are the two methods that an attacker can use to take over a program's buffer and initiate a buffer-overflow attack?

- a) Stack-based and heap-based**
- b) Stack-based and queue-based
- c) Heap-based and list-based
- d) Queue-based and tree-based

29. How does a stack-based buffer-overflow attack work?

- a) The attacker corrupts data within the heap

- b) **The attacker sends data to a too-small stack buffer and inserts malicious code by using a "push" or "pop" function**
 - c) The attacker floods the buffer with a large amount of data to cause it to crash
 - d) The attacker sends a virus to the buffer to infect the program
30. What is a heap-based buffer-overflow attack?
- a) An attack that targets the stack buffer of a program
 - b) An attack that floods a buffer with a large amount of data
 - c) **An attack that corrupts data within the heap and forces the system to overwrite important data**
 - d) An attack that steals personal data from the program's buffer
31. What are database management systems?
- a) **Complex software systems for managing database**
 - b) Simple software systems for management database
 - c) Hardware systems for managing databases
 - d) Network systems for managing databases
32. What is the role of a security professional in managing potential security problem in database management systems?
- a) To ignore the potential security problems
 - b) **To asses and manage the potential security problems**
 - c) To create more security problems
 - d) To delegate the security problems to someone else
33. What is one of the vulnerabilities in database management systems?
- a) Strong access permissions
 - b) Implementation of cryptography as an access control
 - c) Keeping sensitive data for a short time
 - d) **Loose access permissions**
34. What is the impact of excessive retention of sensitive data in database management systems?
- a) It reduces the impact of a security breach
 - b) **It increases the impact of a security breach**
 - c) It has no impact on the security breach
 - d) It helps prevent security breaches
35. What is aggregation of personally identifiable information in database management systems?
- a) The practice of collecting only non-sensitive data
 - b) The practice of keeping data in separate data warehouses
 - c) **The practice of combining data about citizens from various sources into a data warehouse**
 - d) The practice of deleting all sensitive data
36. What is SQL injection?
- a) A technique to identify vulnerabilities in a system or network
 - b) **A technique to exploit vulnerabilities in a system or network**
 - c) A technique to fix vulnerabilities in a system or network
 - d) A technique to steal sensitive information from a system or network
37. Email bomb can crash a server and provide administrator access
- a) Authorized
 - b) **Unauthorized**

- c) Both A and B
- d) None of the above

38. Hackers attacks against insecure Web Application via.....

- a) **HTTP**
- b) FTP
- c) HTTPS
- d) UDP

39. SQL Injection is which type of vulnerability?

- a) Web Application vulnerability
- b) **Security vulnerability**
- c) Windows vulnerability
- d) All of the above

40. Google Dorking is also known as.....

- a) Google Tracking
- b) **Google Hacking**
- c) Google fetching
- d) None of the above

41. Which of the following is/are Google Dork operator?

- a) intitle
- b) allintitle
- c) inurl
- d) **All of the above**

42. What is the intitle operator in Google Dorks?

- a) It allows a hacker to search for pages based on the text contained in the URL
- b) **It searches for specific text in the HTML title of a page**
- c) It helps a hacker narrow down search results to specific file types
- d) It searches for files based on their file extension.

43. What is the inurl operator in Google Dorks?

- a) **It allows a hacker to search for pages based on the text contained in the URL**
- b) It searches for specific text in the HTML title of a page
- c) It helps a hacker narrow down search results to specific file types
- d) It searches for files based on their file extension

44. What is the purpose of the filetype operator in Google Dorks?

- a) To search for pages with specific text in their HTML title
- b) To search for pages based on the text contained in the URL
- c) **To help a hacker narrow down search results to specific file types**
- d) To search for files based on their file extension

45. What is the purpose of the ext operator in Google Dorks?

- a) To search for pages with specific text in their HTML titl

- b) To search for pages based on the text contained in the URL
 - c) To help a hacker narrow down search results to specific file type
 - d) To search for files based on their file extension**
46. What is the intext operator in Google Dorks?
- a) It allows a hacker to search for pages based on the text contained in the URL
 - b) It searches for specific text in the HTML title of a page
 - c) It helps a hacker narrow down search results to specific file types
 - d) It searches the entire content of a given page for keywords supplied by the hacker**
47. Which operator allows a hacker to search for pages based on the text contained in the URL?
- a) intitle
 - b) allintitle
 - c) inurl**
 - d) allinurl
48. Which operator searches the entire content of a given page for keywords supplied by the hacker?
- a) intitle
 - b) allintitle
 - c) intext**
 - d) allintext
49. Which operator requires a page to match all of the given keywords?
- a) intext
 - b) allintext**
 - c) inurl
 - d) allinurl
50. Which operator limits the scope of a query to a single website?
- a) intitle
 - b) allintitle
 - c) site**
 - d) inurl
51. What are some common vulnerability found in all versions of Windows?
- a) DoS, Remote Code Execution, and SQL Injection
 - b) Buffer Overflow, Cross-site Scripting, and Directory Traversal.
 - c) CSRF File Inclusion, Http Response Splitting, and Gain Information/Privileges.
 - d) All of the above.**
52. Why is Microsoft Windows OS the most widely hacked?
- a) Because Microsoft doesn't care about security as much as other OS vendors.
 - b) Because it has the most vulnerabilities.
 - c) Because it is the most widely used OS in the world.**
 - d) None of the above.

53. What is the one positive thing about hackers?
- a) **They are driving the requirement for better security.**
 - b) They are exposing vulnerabilities in operating systems.
 - c) They are making it easier for software vendors to fix their products.
 - d) None of the above.
54. What type of vulnerability has the maximum impact on confidentiality and integrity?
- a) DoS.
 - b) Remote Code Execution.
 - c) Memory Corruption.
 - d) **Gaining Privileges.**
55. What type of vulnerability was used by the Blaster worm in UNIX and Linux systems?
- a) DoS.
 - b) Remote Code Execution.
 - c) **Remote Procedure Call**
 - d) SQL Injection.
56. What is the primary purpose of email attacks?
- a) To damage Internet-connected computers.
 - b) To violate the privacy of email users.
 - c) To render Internet services inoperable.
 - d) **All of the above.**
57. Why has email become a major vulnerability to users and organizations?
- a) **Because it is a universal service used by a large number of people worldwide.**
 - b) Because it is not secure and can be easily hacked.
 - c) Because it contains sensitive information that can be exploited.
 - d) None of the above.
58. What are the basic hacking methodologies used in some email attacks?
- a) **Gathering public information, scanning, and enumerating your systems.**
 - b) Capturing network traffic and exploiting vulnerabilities.
 - c) Brute-force password cracking and phishing.
 - d) All of the above.