



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Bachelor of Technology in Computer Science & Engineering

Course Name – Security and Privacy of Data

Course Code - PEC801A

(Semester VIII)

Time allotted : 1 Hrs.25 Min.

Full Marks : 70

[The figure in the margin indicates full marks.]

Group-A

(Multiple Choice Type Question)

1 x 70=70

Choose the correct alternative from the following :

- (1) 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
- (2) Which one of the following is actually considered as the first computer virus?

a) Sasser	b) Blaster
c) Creeper	d) Both A and C
- (3) 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
- (4) Which one of the following can be considered as the class of computer threats?

a) Dos Attack	b) Phishing
c) Soliciting	d) Both A and C
- (5) Which of the following is considered as the unsolicited commercial email?

a) Virus	b) Malware
c) Spam	d) All of the above
- (6) For the _____ model, the security boundary may be defined for the vendor to include the software framework and middleware layer.

a) SaaS	b) PaaS
c) IaaS	d) All of the mentioned
- (7) Which of the following is the standard for interoperable cloud-based key management?

a) KMIP	b) PMIK
c) AIMK	d) None of the mentioned
- (8) Which of the following is a common means for losing encrypted data?

- a) lose the keys b) lose the encryption standard
 c) lose the account d) all of the mentioned
- (9) How many security accounts per client is provided by Microsoft?
 a) 1 b) 3
 c) 5 d) 7
- (10) Which of the following service provider provides the least amount of built in security?
 a) SaaS b) PaaS
 c) IaaS d) All of the mentioned
- (11) Which of the following is used for Web performance management and load testing ?
 a) VMware Hyperic b) Webmetrics
 c) Univa UD d) Tapinsystems
- (12) Which of the following is considered an essential element in cloud computing by CSA?
 a) Multi-tenancy b) Identity and access management
 c) Virtualization d) All of the mentioned
- (13) Which of the following area of cloud computing is uniquely troublesome ?
 a) Auditing b) Data integrity
 c) e-Discovery for legal compliance d) All of the mentioned
- (14) Which of the following monitors the performance of the major cloud-based services in real time in Cloud Commons ?
 a) CloudWatch b) CloudSensor
 c) CloudMetrics d) All of the mentioned
- (15) Which of the following is a workflow control and policy based automation service by CA ?
 a) CA Cloud Optimize b) CA Cloud Orchestrate
 c) CA Cloud Insight d) CA Cloud Compose
- (16) Which of the following initiative tries to provide a way of measuring cloud computing services a long dimension like cost ?
 a) CCE b) OCCI
 c) SMI d) All of the mentioned
- (17) _____ is a malicious program that executes when a certain criterion is met, or a certain file is accessed, or a certain key combination is pressed.
 a) Logic Bomb b) Denial of Service
 c) Root Kit d) Logic
- (18) 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
- (19) Which of the following refers to exploring the appropriate, ethical behaviors related to the online environment and digital media platform?
 a) Cyber law b) Cyberethics
 c) Cybersecurity d) Cybersafety
- (20) 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
- (21) 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

- (22) Which of the following port and IP address scanner famous among the users?
- a) Cain and Abel
 - b) Angry IP Scanner
 - c) Snort
 - d) Ettercap
- (23) In ethical hacking and cyber security, there are _____ types of scanning:
- a) 1
 - b) 2
 - c) 3
 - d) 4
- (24) Which of the following is not a type of scanning?
- a) Xmas Tree Scan
 - b) Cloud scan
 - c) Null Scan
 - d) SYN Stealth
- (25) 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
- (26) Which of the following are famous and common cyber-attacks used by hackers to infiltrate the user's system?
- a) DDos and Drive-by Downloads
 - b) Malware & Malvertising
 - c) Phishing and Password attacks
 - d) All of the above
- (27) In Wi-Fi Security, which of the following protocol is more used?
- a) WPA
 - b) WPA2
 - c) WPS
 - d) Both A and C
- (28) 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 accesses.
 - c) It is a kind of wall built to prevent files from damaging the corporate.
 - d) None of the above.
- (29) 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
- (30) 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
- (31) Which one of the following principles states that sometimes it is become more desirable to record 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
- (32) 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
- (33) 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 com
 - b) It is usually based on the IPsec(IP Security) or S

munication between a device and a network is secure.

SL (Secure Sockets Layer)

- c) It typically creates a secure, encrypted virtual "tunnel" over the open internet
- d) All of the above

(34) Which of the following type of text is transformed with the help of a cipher algorithm?

- a) Transformed text
- b) Complex text
- c) Scalar text
- d) Plain text

(35) 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

(36) 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

(37) Why are the factors like Confidentiality, Integrity, Availability, and Authenticity considered as the 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

(38) 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

(39) 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

(40) Choose among the following techniques, which are used to hide information inside a picture.

- a) Image Rendering
- b) Stenography
- c) RootKits
- d) BitMapping

(41) Identify among the following which is used to avoid browser-based hacking.

- a) Adware remover in browser
- b) Incognito mode in browser
- c) Anti-malware in browser
- d) Remote browser access

(42) In which category does compromising confidential information fall?

- a) Threat
- b) Bug
- c) Attack
- d) Vulnerability

(43) Which cloud computing feature allows the service to change in size or volume to meet user needs?

- a) Security
- b) Scalability
- c) Cost savings
- d) Virtualisation

(44) All cloud computing applications suffer from _____ to their WAN connectivity.

- a) propagation
- b) latency
- c) noise
- d) All the answers are true

(45) Which of the following was one of the weaker aspects of early cloud computing service offerings?

- a) Logging
- b) Integrity checking
- c) Consistency checking
- d) None of the mentioned

- (46) Which of the following area of cloud computing is uniquely troublesome?
- a) Auditing
 - b) Data integrity
 - c) e-Discovery for legal compliance
 - d) All of the mentioned
- (47) Potential defense mechanism to repudiation include all of the following except
- a) Digital signatures
 - b) Time stamps
 - c) Audit trails
 - d) Filtering
- (48) Authentication, authorization, throttling, and filtering are potential defense mechanisms for
- a) Data tampering
 - b) Repudiation
 - c) Information Disclosure
 - d) Denial of Service
- (49) The user layer of the cloud security architecture consists of the following except
- a) Authentication
 - b) Security-as-a-Service
 - c) Infrastructure
 - d) Browser Security
- (50) Cloud monitoring requirements are all of the following except
- a) Migration
 - b) Scalability
 - c) Portability
 - d) Autonomy
- (51) 'Mean Time to Change' is associated with
- a) Modifiability
 - b) Usability
 - c) Reusability
 - d) Sustainability
- (52) Power usage efficiency is associated with which of the cloud QoS measures ?
- a) Sustainability
 - b) Modifiability
 - c) Reliability
 - d) Reusability
- (53) Maturity is associated with which of the cloud QoS measures ?
- a) Adaptability
 - b) Usability
 - c) Reliability
 - d) Efficiency
- (54) Customer relationship management is associated with one of the following cloud vendors.
- a) IBM
 - b) HP
 - c) Salesforce
 - d) RackSpace
- (55) A cloud service level agreement is composed of all the following except
- a) Service guarantee
 - b) Service guarantee time period
 - c) Service guarantee granularity
 - d) Service guarantee inclusions
- (56) Identify among the components which are known as a hypervisor.
- a) VMC
 - b) VMM
 - c) VC
 - d) All of the above
- (57) What is true about data security?
- a) Data security is the protection of programs and data in computers and communication systems against unauthorized access
 - b) It refers to the right of individuals or organizations to deny or restrict the collection and use of information
 - c) Data security requires system managers to reduce unauthorized access to the systems by building physical arrangements and software checks.
 - d) All of the above
- (58) _____ is the process of retaining or keeping of data at a secure place for long-term storage.
- a) Data archiving
 - b) Archival Storage
 - c) Disposal of Data
 - d) Backup
- (59) What is Selective archiving?
- a) the storage mechanisms we use for archiving data would change over time
 - b) we will archive only a selective part of data because not all data is equally important.

- c) In the real world is archived data which is in an obsolete format. d) All of the above
- (60) _____ deals with the protection of an individual's information which is implemented while using the Internet on any computer or personal device.
- a) Digital agony b) Digital privacy
c) Digital secrecy d) Digital protection
- (61) It is necessary to use _____ for maintaining searched data privacy.
- a) Private email services b) Private search engines
c) Tor Browser d) Private Browser window
- (62) The data transferred between your device & the server is securely _____ if you're using VPNs.
- a) locked b) sealed
c) packed d) encrypted
- (63) _____ allow its users to attach to the internet via a remote or virtual server which preserves privacy.
- a) Cookie removers b) VPNs
c) Tor browser d) Private Search Engines
- (64) Which of the following browser is used for Privacy purpose?
- a) Chrome b) Firefox
c) Opera d) Tor
- (65) A computer checks the _____ of user names and passwords for a match before granting access.
- a) Website b) Network
c) Backup file d) Data base
- (66) All of the following are examples of real security and privacy risks EXCEPT:
- a) Hackers b) Spam
c) Viruses d) Identity theft
- (67) _____ is a computer crime in which criminal breaks into a computer system for exploring details of information etc.
- a) Hacking b) Spoofing
c) Eavesdropping d) Phishing
- (68) The ability to recover and read deleted or damaged files from a criminal's computer is an example of a law enforcement specialty called:
- a) robotics b) simulation
c) computer forensics d) animation
- (69) _____ is an electronic file that uniquely identifies individuals and web sites on the internet and enables secure confidential communications.
- a) Digital signature b) Digital certificates
c) Secure electronic transactions d) None of these
- (70) Now a days Phishing has become a criminal practice of using social engineering over which of the following ?
- a) Social networking sites b) Mobile Phones
c) E-mail d) Cyber cafes