

Total No. of Questions: 25

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AISSMS College of Hotel Management and Catering Technology, Pune

Seat No:

[0607]/HSVSC238/2026/BSCHS_SEM3

SYBSC HS (Third Semester) Examination, 2026

HSVSC 238 - Cyber Security System

(Rev. 2023 Pattern)

Time: 1 Hour

Maximum Marks: 25

Instructions: -

- (i) *Select Correct Options*
- (ii) *All questions are compulsory.*

- Q1.** What feature is common to both smartphones and tablets? [1]
- a) Voice and video calling
 - b) Physical keyboards
 - c) Non-touchscreen displays
 - d) Limited internet access
- Q2.** What is the primary function of a Network Interface Card (NIC)? [1]
- a) To store data permanently
 - b) To process audio signals
 - c) To connect the computer to a network
 - d) To display visual output on the monitor
- Q3.** What is the primary function of a hub in a computer network? [1]
- a) To amplify or regenerate a signal
 - b) To provide a direct connection between the source and destination
 - c) To connect two different networks
 - d) To serve as a central connection point for network devices and broadcast messages to all ports
- Q4.** Which of the following devices is used to connect different networks together? [1]
- a) Modem
 - b) Router
 - c) Switch
 - d) Network Interface Card
- Q5.** Which term refers to the act of using cyberspace to create, display, distribute, or publish obscene materials without consent? [1]
- a) Cyber pornography
 - b) Cyber espionage
 - c) Cyber terrorism
 - d) Cyberstalking

- Q6.** Which of the following is NOT a characteristic of cybercrime? [1]
- a) Physical evidence
 - b) Trans-boundary nature
 - c) Dynamic modus operandi
 - d) Anonymity
- Q7.** What is the primary definition of cybercrime according to the IT Act 2008? [1]
- a) Crime involving traditional forms of theft and violence
 - b) Crime involving the theft of physical objects
 - c) Crime carried out using computers, digital devices, and networks
 - d) Crime committed using physical methods
- Q8.** Which of the following attacks uses more than one IP address or machine to flood a network? [1]
- a) ICMP Flooding
 - b) Application-layer attack
 - c) DDoS attack
 - d) Teardrop attack
- Q9.** Which of the following is NOT an example of rationalization? [1]
- a) ""I believe I'm underpaid.""
 - b) ""My company earns too much.""
 - c) ""I am overworked.""
 - d) ""The company has weak internal controls.
- Q10.** Which of the following is an example of a motive in the Fraud Triangle? [1]
- a) Feeling underpaid
 - b) Lack of proper internal controls
 - c) Belief that the company is too large
 - d) Opportunity to manipulate financial records
- Q11.** Which social media platform is primarily used for professional networking and job searching? [1]
- a) Facebook
 - b) Instagram
 - c) LinkedIn
 - d) Twitter
- Q12.** What are the three elements of the Fraud Triangle? [1]
- a) Desire, Rationalization, Opportunity
 - b) Motive, Perception, Opportunity
 - c) Intent, Rationalization, Access
 - d) Motive, Rationalization, Opportunity

- Q13.** Which type of fintech fraud involves targeting financial and banking organizations? [1]
- a) Fraud at State Level
 - b) Fraud at Corporate Level
 - c) Fraud at Individual Level
 - d) Fraud at Organization Level
- Q14.** Which of the following is NOT a common type of Internet-based cybercrime? [1]
- a) Identity Theft
 - b) Physical Theft
 - c) Job Frauds
 - d) Fintech Frauds
- Q15.** What is a key risk associated with sending emails? [1]
- a) Improved collaboration
 - b) Better record-keeping
 - c) Unauthorized access and email spoofing
 - d) Increased communication efficiency
- Q16.** What reason do scammers give for requiring advance payments in delivery / parcel scams? [1]
- a) Indian customs clearance and anti-terrorism certificate
 - b) Processing fees for lottery winnings
 - c) Legal fees for lottery registration
 - d) Bank fees for transferring money
- Q17.** What is cyber sexting? [1]
- a) Sharing business-related documents
 - b) Posting images of pets online
 - c) Sending regular text messages
 - d) Sharing sexually explicit images and videos via electronic devices
- Q18.** Which of the following is NOT a suggested countermeasure to prevent online harassment? [1]
- a) Keeping software updated
 - b) Using encryption for social media accounts
 - c) Over-sharing personal information online
 - d) Applying strong privacy settings
- Q19.** What is the primary motive behind the harassment by instant loan apps? [1]
- a) To facilitate genuine loan recovery
 - b) To offer financial counseling
 - c) To provide educational loans
 - d) To extort additional money and cause social humiliation

- Q20.** What is job fraud? [1]
- a) A scam where job seekers are deceived into paying for non-existent job opportunities
 - b) A legitimate job offers
 - c) An authorized job placement service
 - d) A promotional job advertisement
- Q21.** What is a major security measure used to protect online payment systems? [1]
- a) Physical tokens
 - b) Digital certificates
 - c) Voice recognition
 - d) Manual verification
- Q22.** What kind of information is collected through the fake job website? [1]
- a) Personal identification numbers
 - b) Social security numbers
 - c) Registration fees for job applications
 - d) Bank account details
- Q23.** What action should be taken if you receive an unsolicited email asking for sensitive information? [1]
- a) Report the email to the relevant authorities
 - b) Ignore the email
 - c) Click on any links provided to check their authenticity
 - d) Respond with the requested information
- Q24.** What is ransomware? [1]
- a) A network security protocol
 - b) A type of hardware device
 - c) A type of physical malware
 - d) A software that encrypts files and demands a ransom for decryption
- Q25.** What role does Artificial Intelligence play in the email hacking scenario described? [1]
- a) It encrypts email communications.
 - b) It directly hacks email accounts.
 - c) It prevents unauthorized access to email accounts.
 - d) It helps in creating convincing text in phishing emails.
