National Testing Agency

Question Paper Name: Cyber Security 26th March 2021 Shift 1 **Subject Name:** Cyber Security 2021-03-26 14:16:10 **Creation Date: Duration:** 180 **Number of Questions:** 100 **Total Marks:** 100 **Display Marks:**

Cyber Security

Yes

Group Number: Group Id: 864351152 **Group Maximum Duration:** 0 **Group Minimum Duration:** 120 **Show Attended Group?:** No **Edit Attended Group?:** No **Break time:** 0 **Group Marks:** 100 Is this Group for Examiner?: No

Cyber Security-1

Section Id: 864351584 **Section Number:** Online **Section type: Mandatory or Optional:** Mandatory **Number of Questions:** 100

Number of Questions to be attempted:100Section Marks:100Mark As Answered Required?:YesSub-Section Number:1

Sub-Section Id: 864351683

Question Shuffling Allowed: Yes

Question Number: 1 Question Id: 86435112652 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Identify the persons who are actively engaged in Cyberspace for all their social experience.

- 1. Cybernetics
- 2. Hackers
- 3. Cybernauts
- 4. Intruders

Options:

86435142011. 1

86435142012. 2

86435142013.3

86435142014. 4

Question Number: 2 Question Id: 86435112653 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Predict the situation where an illegitimate user gains access to information.

- 1. Application policy
- 2. User error
- 3. Signal jamming
- 4. All the above

Options:

86435142015. 1 86435142016. 2

86435142017.3

86435142018.4

Question Number: 3 Question Id: 86435112654 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Repeat the means of Drive-by download attack.

A. Word file

B. Internet site

C. Pop-up window

D. Email

Choose the correct answer from the options given below:

1. A, B and D only

2. B, C and D only

3. A and B only

4. A only

Options:

86435142019. 1

 $86435142020.\ 2$

86435142021.3

86435142022. 4

Question Number: 4 Question Id: 86435112655 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

- i. Vulnerability is any weakness in the system
- ii. Risks cannot be managed
- 1. TF
- 2. FT
- 3. FF
- 4. TT

Options:

86435142023. 1

86435142024. 2

86435142025.3

86435142026.4

Question Number: 5 Question Id: 86435112656 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

What is the drawback encountered when electronic documents are transmitted from one person to another?

- 1. Trustworthy
- 2. Text quality
- 3. Data storage
- 4. Data retrieval

Options:

86435142027. 1

86435142028. 2

86435142029. 3

86435142030.4

Question Number: 6 Question Id: 86435112657 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Select the factor used along with timestamp to stop Replay 'Man-in-the-Middle attack'.

- 1. Password
- 2. Phrase
- 3. Digital Signature
- 4. Symbol

Options:

86435142031.1

86435142032. 2

86435142033.3

86435142034.4

Question Number: 7 Question Id: 86435112658 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Expose the type of virus that gets installed whenever .exe file loads the code.

- 1. Macro virus
- 2. Micro virus
- 3. System infectors
- 4. File infectors

Options:

86435142035. 1

86435142036. 2

86435142037. 3

86435142038.4

 $Question\ Number: 8\ Question\ Id: 86435112659\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Shu$

Group the types of password attack.

- A. Dictionary attack
- B. Birthday attack
- C. SQL injection attack
- D. Brute-force attack

Choose the *correct* answer from the options given below:

- 1. A, B and D only
- 2. A and B only
- 3. A and D only
- 4. A only

Options:

86435142039. 1

86435142040. 2

86435142041.3

86435142042.4

 $Question\ Number: 9\ Question\ Id: 86435112660\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Shu$

- i. Something the user possess is Object-based authentication
- ii. Something the user does is Knowledge based authentication
- 1. TF
- 2. FT
- 3. TT
- 4. FF

Options:

86435142043.1

86435142044. 2

86435142045.3

86435142046. 4

Question Number: 10 Question Id: 86435112661 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Financial supervision of banks and financial instituitions are dealt by

- 1. Information Technology Act
- 2. Indian Penal Code Act
- 3. Reserve Bank of India Act
- 4. Industrial Development Act

Options:

86435142047. 1

86435142048. 2

86435142049.3

86435142050. 4

Question Number: 11 Question Id: 86435112662 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who are regularly involved in major fraud and theft cases and reported to law enforcement agencies?

- 1. Unstructured threats
- 2. Internal threats
- 3. External threats
- 4. Structured threats

Options:

86435142051.1

86435142052. 2

86435142053.3

86435142054.4

 $Question\ Number: 12\ Question\ Id: 86435112663\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Define the term that refers to any loophole in the system leaving information security exposed to risk.

- 1. Code
- 2. Text
- 3. Vulnerability
- 4. Threat

Options:

86435142055.1

86435142056. 2

86435142057. 3

86435142058.4

Question Number: 13 Question Id: 86435112664 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Mention the characteristics of Black hat hackers.

- A. Modify and destroy data
- B. Penetration testing
- C. Fix vulnerabilities
- D. Write malware

Choose the *correct* answer from the options given below:

- 1. A and D only
- 2. A and C only
- 3. A, B and D only
- 4. D only

Options:

86435142059. 1

86435142060. 2

86435142061.3

86435142062. 4

Question Number: 14 Question Id: 86435112665 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

- i. Web security software prevents the websites against cyber-attacks
- ii. Dynamic websites are more vulnerable to bugs and security loopholes
- 1. TF
- 2. FT
- 3. TT
- 4. FF

Options:

86435142063.1

86435142064. 2

86435142065.3

86435142066. 4

Question Number: 15 Question Id: 86435112666 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Rewrite the characteristics of Cyberspace.

- 1. Virtual space
- 2. Attacker space
- 3. Realtime space
- 4. Modifies Information

Options:

86435142067. 1

86435142068. 2

86435142069.3

86435142070.4

Question Number: 16 Question Id: 86435112667 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Identify the type of vulnerability assessment method from the given properties.

- i. The method trusts visiting party connection
- ii. Gives access to internal data
- iii. Allows resource usage
- 1. Corporative computer system vulnerability assessment
- 2. Non-corporative computer system vulnerability assessment
- 3. Vulnerability Assessment method based on rules and models
- 4. All the above

Options:

86435142071.1

86435142072. 2

86435142073.3

86435142074.4

Question Number: 17 Question Id: 86435112668 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Recognize the type of Approach-based Intrusion Detection System that helps in detecting attacks deviating from normal behavior.

- 1. Misuse detection approach
- 2. Signature based Intrusion Detection System
- 3. Hybrid Intrusion Detection System
- 4. Anomaly based Intrusion Detection System

Options:

86435142075. 1

86435142076. 2

Question Number: 18 Question Id: 86435112669 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Choose the appropriate properties of Network Node Intrusion Detection System.

A. Tracks packets on multiple hosts

B. Tracks packets on single host

C. Does not monitor traffic on whole subnet

D. Does not monitor traffic on single host

Choose the *correct* answer from the options given below:

1. A, B and D only

2. B and C only

3. C and D only

4. B only

Options:

86435142079.1

86435142080. 2

86435142081.3

86435142082.4

Question Number: 19 Question Id: 86435112670 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

- i. Cyber Physical System (CPS) is logically complex
- ii. Cyber Physical System (CPS) is homogeneous in nature
- 1. TT
- 2. FF
- 3. TF
- 4. FT

Options:

86435142083.1

86435142084. 2

86435142085.3

86435142086.4

Question Number: 20 Question Id: 86435112671 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Outline the security services that are used to satisfy the security requirements.

- 1. User awareness
- 2. Authorization
- 3. Authentication
- 4. Alteration

Options:

86435142087. 1

86435142088. 2

86435142089.3

86435142090.4

Question Number: 21 Question Id: 86435112672 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Find the odd one out from Wireless Intrusion Prevention System deployment method.

- 1. Time slicing
- 2. Network slicing
- 3. Integrated Wireless Intrusion Prevention System
- 4. Wireless Intrusion Prevention System Overlay

Options:

86435142091.1

86435142092. 2

86435142093.3

86435142094.4

Question Number: 22 Question Id: 86435112673 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Name the characteristic of biometric that should be invariant with respect to time.

- 1. Immutability
- 2. Uniqueness
- 3. Universality
- 4. Circumvention

Options:

86435142095.1

86435142096. 2

86435142097.3

86435142098.4

Question Number: 23 Question Id: 86435112674 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

What are all the predefined patterns tracked by signature-based Intrusion Detection System?

- A. Set of network packets
- B. New threats
- C. Security Features
- D. Byte sequences

Choose the *correct* answer from the options given below:

- 1. A and D only
- 2. A only
- 3. B only
- 4. A, C and D only

Options:

86435142099. 1

86435142100. 2

86435142101.3

86435142102. 4

Question Number: 24 Question Id: 86435112675 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

- i. Applications of digital technology provides quick access to services
- ii. Digital devices are trusted based on their robustness
- 1. TF
- 2. FT
- 3. TT
- 4. FF

Options:

86435142103.1

86435142104. 2

86435142105.3

86435142106.4

Question Number: 25 Question Id: 86435112676 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

List the components of network security.

- 1. Virtual Public Network
- 2. Firewall
- 3. Anti Spoofware
- 4. Disaster recovery

Options:

86435142107.1

86435142108. 2

86435142109.3

86435142110. 4

Question Number: 26 Question Id: 86435112677 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

State the advantage of multiple modalities present in multimodal biometric systems.

- 1. Less vulnerable to spoofing
- 2. Resistant to noise
- 3. Prone to spoofing
- 4. Non-resistant to noise

Options:

86435142111. 1

86435142112. 2

86435142113.3

86435142114. 4

Question Number: 27 Question Id: 86435112678 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Point out the attack in which the attacker injects malicious packets into the router repeatedly to damage the routing process.

- 1. Hit-and-Run attack
- 2. Packet Mistreating attack
- 3. Routing table poisoning
- 4. Persistent attack

Options:

86435142115. 1

86435142116. 2

86435142117. 3

86435142118. 4

Question Number: 28 Question Id: 86435112679 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Sketch the general measures used in Intrusion Prevention System performance metrics.

- A. Lower false positives
- B. Threat blocking ability
- C. Static alerting capability
- D. High redundancy

Choose the *correct* answer from the options given below:

- 1. A, B and D only
- 2. B and D only
- 3. A and D only
- 4. D only

Options:

86435142119. 1

86435142120. 2

86435142121.3

86435142122. 4

Question Number: 29 Question Id: 86435112680 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

- i. Data is lifeblood of crime analysis operation
- ii. Signature is a universal pattern of an offender
- 1. TT
- 2. TF
- 3. FT
- 4. FF

Options:

86435142123. 1

86435142124. 2

86435142125.3

86435142126.4

Question Number: 30 Question Id: 86435112681 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Give an example for non-malicious small scale attack.

- 1. Registry corruption
- 2. Traffic analysis
- 3. DDoS attack
- 4. Sasser attack

Options:

86435142127. 1

86435142128. 2

86435142129.3

86435142130.4

Question Number: 31 Question Id: 86435112682 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Selecting a third trusted party to control the communication between two entities is known as

- 1. Direction control
- 2. Hashing
- 3. Notarization
- 4. Firewalls

Options:

86435142131.1

86435142132. 2

86435142133.3

86435142134.4

Question Number: 32 Question Id: 86435112683 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Sketch the factor that acts as a barrier between the network and the Operating System.

- 1. Firewall
- 2. Data security
- 3. Scanner
- 4. Anti-malware

Options:

86435142135. 1

86435142136. 2

86435142137.3

86435142138.4

Question Number: 33 Question Id: 86435112684 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which of the following factors can be used efficiently with primary authentication factors?	
A. Location factor	
B. Time factor	

- C. Inherence factor
- D. Coherence factor

Choose the *correct* answer from the options given below:

- 1. A, B and D only
- 2. A and B only
- 3. B and C only
- 4. A and D only

Options:

86435142139. 1

86435142140. 2

86435142141.3

86435142142. 4

Question Number: 34 Question Id: 86435112685 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

- i. Data dissemination is the distribution of crime analysis information
- ii. Social network analysis is a feature of crime analysis
- 1. FF
- 2. TT
- 3. TF
- 4. FT

Options:

86435142143.1

86435142144. 2

86435142145.3

86435142146.4

Question Number: 35 Question Id: 86435112686 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Give an example for Software-as-a-Service (SaaS) cloud service model.

- 1. Facebook
- 2. Instagram
- 3. Windows Azure
- 4. Openstack

Options:

86435142147. 1

86435142148. 2

86435142149.3

86435142150.4

Question Number: 36 Question Id: 86435112687 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Indicate the technique that encourages the attacker to crack passwords and gain access to the mobile device.

- 1. Generated tokens
- 2. Spyware
- 3. One Time Password
- 4. Weak algorithms

Options:

86435142151.1

86435142152. 2

86435142153.3

86435142154. 4

Question Number: 37 Question Id: 86435112688 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Show the type of technology that identifies if cloud services are accessed by only authorized personnel.

- 1. Access control technology
- 2. Identification technology
- 3. System protection technology
- 4. Authentication technology

Options:

86435142155. 1

86435142156. 2

86435142157. 3

86435142158.4

Question Number: 38 Question Id: 86435112689 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Cite the applications of keystroke behavioral biometrics.

- A. Internet banking
- B. Automatic Teller Machine (ATM)
- C. Email security
- D. Online examination

Choose the correct answer from the options given below:

- 1. A, B and C only
- 2. A and B only
- 3. B and C only
- 4. A, B, C and D

Options:

86435142159. 1

86435142160. 2

86435142161.3

86435142162. 4

Question Number: 39 Question Id: 86435112690 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Read the statements given below and answer them as TT, TF, FT or FF.(T - True, F - False).

i. Web bugs are transparent and invisible to user

ii. Web bugs take only tiny amount of space

1. TF

2. FT

4. FF

3. TT

Options:

86435142163.1

86435142164. 2

86435142165.3

86435142166.4

Question Number: 40 Question Id: 86435112691 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Mention the way through which communication network attack takes place in mobile devices.

- 1. Wi-Fi
- 2. Duplicate files
- 3. Poor security systems
- 4. LAN

Options:

86435142167.1

86435142168. 2

86435142169.3

86435142170.4

Question Number: 41 Question Id: 86435112692 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Find the odd one out from the end-to-end e-mail encryption protocols.

- 1. Bit Message
- 2. Pretty Good Privacy
- 3. Good Privacy Guard
- 4. Secure/Multipurpose Internet Mail Extensions

Options:

86435142171. 1

86435142172. 2

86435142173.3

86435142174.4

Question Number: 42 Question Id: 86435112693 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Label the layer in Service Oriented Architecture (SoA) that serves as a framework to support wireless or wired connections among the things.

- 1. Network layer
- 2. Sensing layer
- 3. Interface layer
- 4. Service layer

Options:

86435142175. 1

86435142176. 2

86435142177.3

86435142178.4

Question Number: 43 Question Id: 86435112694 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Indicate the properties of Bell-LaPadula model that dictates how the system issues security labels for objects.

A. Strong Tranquillity Property

B. Weak Tranquillity Property

C. Low Tranquillity Property

D. High Tranquillity Property

Choose the *correct* answer from the options given below:

1. A and B only

2. A and C only

3. B and C only

4. A, B, and D only

Options:

86435142179.1

86435142180. 2

86435142181. 3

86435142182.4

Question Number: 44 Question Id: 86435112695 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

- i. Designs exclude trademark or artistic works
- ii. Chip layout designs can be registered
- 1. TF
- 2. FT
- 3. FF
- 4. TT

Options:

86435142183.1

86435142184. 2

86435142185.3

86435142186.4

Question Number: 45 Question Id: 86435112696 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Select the security objective of Cyber Physical System (CPS).

- 1. Robustness
- 2. Interoperability
- 3. Validity
- 4. Exposure

Options:

86435142187. 1

86435142188. 2

86435142189. 3

86435142190.4

Question Number: 46 Question Id: 86435112697 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

An interdisciplinary field deployed as the computer-based system in the physical world is known as

- 1. Live observation
- 2. Cyber Physical Interactions
- 3. Critical Infrastructure (CI)
- 4. Cyber Physical System (CPS)

Options:

86435142191.1

86435142192. 2

86435142193.3

86435142194.4

Question Number: 47 Question Id: 86435112698 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Which of the following helps in ensuring security to user private accounts portraying the exact features of maintaining user data control?

- 1. Social network privacy setting
- 2. Publish privileges
- 3. Social media policy
- 4. Track social media threats

Options:

86435142195.1

86435142196. 2

86435142197. 3

86435142198. 4

Question Number: 48 Question Id: 86435112699 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Rewrite the sub-protocols of Secure Socket Layer (SSL).

- A. Review protocol
- B. Notify protocol
- C. Handshake protocol
- D. ChangeCipherSpec protocol

Choose the *correct* answer from the options given below:

- 1. A, B and D only
- 2. B and D only
- 3. C and D only
- 4. C only

Options:

86435142199. 1

86435142200. 2

86435142201.3

86435142202.4

Question Number: 49 Question Id: 86435112700 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

- i. Both deliberate and legal actions are required in acquiring digital evidences
- ii. The source and truthfulness of the data is not considered while transforming the evidence
- 1. TF
- 2. FT
- 3. TT
- 4. FF

Options:

86435142203.1

86435142204. 2

86435142205.3

86435142206.4

Question Number: 50 Question Id: 86435112701 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Choose the area that are not covered by a traditional black-box audit.

- 1. Source code audit
- 2. Accessibility review
- 3. Real-world scenario
- 4. Policy documents

Options:

86435142207.1

86435142208. 2

86435142209.3

86435142210.4

Question Number: 51 Question Id: 86435112702 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Fluctuations in virtual currency value normally take place in

- 1. Open virtual community
- 2. Closed virtual community
- 3. Invertible virtual currency
- 4. Currency exchange

Options:

86435142211. 1

86435142212. 2

86435142213. 3

86435142214. 4

Question Number: 52 Question Id: 86435112703 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Name the characteristic of blockchain that helps to keep inaccurate or fraudulent transactions out of the blockchain.

- 1. Traceable
- 2. Distributed
- 3. Auditability
- 4. Consensus

Options:

86435142215.1

86435142216. 2

86435142217.3

86435142218.4

Question Number: 53 Question Id: 86435112704 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following machanisms of International Telecommunication Unit (ITU) to achieve network security with its related term.

Mechanism of ITU	Related Term
i. Decipherment	a. Internet Service Providers (ISPs)
ii. Message Digest	b. Accuracy
iii. Routing Control	c. Decryption
iv. Data Integrity	d. Cryptography

Choose the correct answer from the options given below:

Options:

86435142219. 1

86435142220. 2

86435142221.3

86435142222. 4

Question Number: 54 Question Id: 86435112705 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Arrange the following amendments helping in the development of a secure cyber infrastructure as per they launched year wise.

- A. National Cyber Security Strategy ("NCSS")
- B. National Critical Information Infrastructure Protection Centre ("NCIIPC")
- C. Computer Emergency Response Team ("CERT-In")
- D. Indian Telegraph Act
- E. Information Technology Act

Choose the correct answer from the options given below

1. A, B, C, D, E

2. D, E, C, B, A

3. A, C, B, E, D

4. E, D, A, B, C

Options:

86435142223. 1

86435142224. 2

86435142225.3

86435142226.4

Question Number: 55 Question Id: 86435112706 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Given below are two statements

Statement I: Evidence examination includes searching huge data archives

Statement II: Maintaining professional conduct helps in ensuring the legitimacy of any verdict

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142227. 1

86435142228. 2

86435142229.3

86435142230.4

Question Number: 56 Question Id: 86435112707 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Figure out the factor that alerts during any questionable activity or unknown access attempts.

- 1. Network monitoring software
- 2. Data backup
- 3. Email protection
- 4. Access management

Options:

86435142231. 1

86435142232. 2

86435142233.3

Question Number: 57 Question Id: 86435112708 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Name the attack where several random characters are broadcasted to the server by an offender to slow down and lock up PC during Internet Relay Chat (IRC).

- 1. Twin attack
- 2. Torrent attack
- 3. Vocal attack
- 4. Spoof attack

Options:

86435142235. 1

86435142236. 2

86435142237. 3

86435142238.4

Question Number: 58 Question Id: 86435112709 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following with their respective applications.

System	Application
i. Cyber Physical System (CPS)	a. Nuclear power plants
ii. Distributed Control System (DCS)	b. Cement manufacturing
iii. Data acquisition system	c. Environmental monitoring
iv. Programmable Logic Controller (PL	C) d. Sensor recommendations

Choose the **correct** answer from the options given below:

Options:

86435142239. 1

86435142240. 2

86435142241.3

86435142242. 4

Question Number: 59 Question Id: 86435112710 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

A. Protect
3. Recover
C. Detect
D. Identify
. Respond
Choose the <i>correct</i> answer from the options given below
. D, A, C, E, B 2. B, A, C, D, E 3. A, C, D, B, E 4. D, A, B, C, E
Options : 6435142243. 1 6435142244. 2 6435142245. 3 6435142246. 4
Question Number : 60 Question Id : 86435112711 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Forrect Marks : 1 Wrong Marks : 0

Sequence the following Cyber Security framework.

Statement I: Cyber Defamation refers to publishing matter or content about someone on a website.

Statement II: Sabotage refers to an act or the process of threatening through chat messages.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142247. 1

86435142248. 2

86435142249.3

86435142250.4

Question Number: 61 Question Id: 86435112712 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Group of computers connected in a coordinated fashion for malicious purposes are called as

- 1. Virus
- 2. Malware
- 3. Botnet
- 4. E-mail bomb

Options:

86435142251.1

86435142253. 3 86435142254. 4

Question Number: 62 Question Id: 86435112713 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

What is combined with smart machines to recognize human actions automatically and detect potential hazards?

- 1. Human behavioral analysis
- 2. Social engineering
- 3. Typology
- 4. Automation technique

Options:

86435142255. 1

86435142256. 2

86435142257. 3

86435142258.4

Question Number: 63 Question Id: 86435112714 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following Cryptocurrencies with the released year.

Cryptocurrency	Year
i. Litecoin	a. 2013
ii. Dogecoin	b. 2012
iii. Peercoin	c. 2009
iv. Bitcoin	d. 2011

Choose the **correct** answer from the options given below:

Options:

86435142259. 1

86435142260. 2

86435142261.3

86435142262. 4

Question Number: 64 Question Id: 86435112715 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Sequence the Universal Declaration of Human Rights as per the article issued.

- A. Freedom from Slavery
- B. Right to Education
- C. Right to Equality
- D. Right to Life, Liberty, Personal Security
- E. Freedom from Discrimination

Choose the correct answer from the options given below

- 1. A, B, C, D, E
- 2. B, A, C, D, E
- 3. C, E, D, A, B
- 4. E, A, B, D, C

Options:

86435142263. 1

86435142264. 2

86435142265.3

86435142266. 4

Question Number: 65 Question Id: 86435112716 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Statement I: Cybercrimes can be classified based on single-facet ways.

Statement II: Mystery behind cybercrime roots is safeguarding.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142267. 1

86435142268. 2

86435142269.3

86435142270.4

Question Number: 66 Question Id: 86435112717 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Recall the step in the incident handling approach that minimizes the impact of the security abuse on the organization.

- 1. Detection and analysis
- 2. Eradication and recovery
- 3. Post incidence
- 4. Containment

Options:

86435142271.1

86435142273. 3 86435142274. 4

Question Number: 67 Question Id: 86435112718 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The relationship between the text writing styles and its metadata is referred to as

1. Stylochronometry

- 2. Forensic stylist
- 3. Stylometry
- 4. Authorship verification

Options:

86435142275.1

86435142276. 2

86435142277.3

86435142278.4

Question Number: 68 Question Id: 86435112719 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following blockchain attacks with their alternative names.

Blockchain Attacks	Alternative Names
i. Sybil attack	a. Blockchain recognition attack
ii. Alternative history attack	b. Double spend attack
iii. 50% attack	c. Block withholding attack
iv. Selfish mining attack	d. Sock puppetry attack

Choose the correct answer from the options given below:

Options:

86435142279. 1

86435142280. 2

86435142281.3

86435142282. 4

Question Number: 69 Question Id: 86435112720 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

A. Cinematography Film Work B. Musical Work C. Dramatic Work D. Artistic Work E. Literary Work Choose the *correct* answer from the options given below 1. D, A, C, E, B 2. A, B, D, C, E 3. A, B, C, D, E 4. B, A, C, E, D **Options:** 86435142283. 1 86435142284. 2

Arrange the following copyright protection acts as per the alphabetical section wise.

86435142285. 3 86435142286. 4

Question Number: 70 Question Id: 86435112721 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Statement I: Social signal processing deals with interaction between the machines.

Statement II: Behaviour cues are extracted from sensory inputs.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142287. 1

86435142288. 2

86435142289.3

86435142290.4

Question Number: 71 Question Id: 86435112722 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Which of the following is based on scientific methods and procedures that helps investigators to extract useful information?

- 1. Criminal profiling
- 2. Analysing results
- 3. Device security
- 4. Computer forensics

Options:

86435142291.1

86435142293. 3 86435142294. 4

 $Question\ Number: 72\ Question\ Id: 86435112723\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

The distinct pattern or method of operation that suggests the work of a single criminal in more than one crime is known as

- 1. Modus Operandi
- 2. Virtual crime scene
- 3. Signature
- 4. Victim traits

Options:

86435142295.1

86435142296. 2

86435142297. 3

86435142298.4

Question Number: 73 Question Id: 86435112724 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following Intellectual property rights with its established year.

Intellectual Property Rights	Year
i. The Patents Act	a. 2000
ii. The Trade Marks Act	b. 1957
iii. The Copyright Act	c. 1970
iv. The Designs Act	d. 1999

Choose the correct answer from the options given below:

- 1. i b, ii c, iii -d, iv a
- 2. i b, ii d, iii a, iv c
- 3. i c, ii d, iii b, iv a
- 4. i d, ii c, iii a, iv b

Options:

86435142299. 1

86435142300. 2

86435142301.3

86435142302.4

Question Number: 74 Question Id: 86435112725 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Sequence the typical Money Laundering Act Scheme.

A. Placement

B. Collection of Dirty Money

C. Integration

D. Layering

E. Financial Investments

Choose the *correct* answer from the options given below

1. A, B, C, D, E

2. B, C, D, E, A

3. B, A, D, C, E

4. D, B, A, E, C

Options:

86435142303.1

86435142304. 2

86435142305.3

86435142306.4

Question Number: 75 Question Id: 86435112726 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Statement I: Assessing the crime scene helps in identifying the personality of the criminal.

Statement II: Signatures are universal feature of a criminal.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142307. 1

86435142308. 2

86435142309.3

86435142310.4

Question Number: 76 Question Id: 86435112727 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Find the odd one out from the rationale of psychological profiling.

- 1. Biology
- 2. Common experience
- 3. Social personality
- 4. Environment

Options:

86435142311.1

86435142312. 2

Question Number: 77 Question Id: 86435112728 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Name the virtual version of a signature left at crime scene.

- 1. Cybertrail
- 2. Weapons
- 3. Artifacts
- 4. Fingerprints

Options:

86435142315.1

86435142316. 2

86435142317. 3

86435142318.4

Question Number: 78 Question Id: 86435112729 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following cyber attacks with the examples.

Cyber attack	Example
i. Man-in-the-Middle attack	a. Dictionary attack
ii. Phishing	b. Buffer overflow attack
iii. Password attack	c. IP spoofing
iv. DoS attack	d. Pharming

Choose the **correct** answer from the options given below:

Options:

86435142319. 1

86435142320. 2

86435142321.3

86435142322. 4

Question Number: 79 Question Id: 86435112730 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Sequence the Security Transformation procedure.

- A. Current State Analysis
- B. Strategic Roadmap and Mobilization
- C. Strategic Framework
- D. Implementation
- E. Future State Vision

Choose the correct answer from the options given below

- 1. A, B, C, D, E
- 2. B, C, D, A, B
- 3. C, A, B, E, D
- 4. C, A, E, B, D

Options:

86435142323. 1

86435142324. 2

86435142325.3

86435142326.4

Question Number: 80 Question Id: 86435112731 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Statement I: Modus Operandi is a universal signature pattern of a criminal.

Statement II: Insolvency is an example for civil investigation.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142327. 1

86435142328. 2

86435142329.3

86435142330.4

Question Number: 81 Question Id: 86435112732 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Indicate the method employed by digital forensics to recover the evidence from the volatile memory before computer shutdown.

- 1. Standardized procedure
- 2. Proficient witness
- 3. Live acquisition technique
- 4. Response procedure

Options:

86435142331. 1

86435142333. 3 86435142334. 4

Question Number: 82 Question Id: 86435112733 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

The suitable massive service model that can be established to solve cloud-associated crimes or assist investigations involving cloud evidences.

- 1. Information as a Service
- 2. Forensics as a Service
- 3. Platform as a Service
- 4. Everything as a Service

Options:

86435142335. 1

86435142336. 2

86435142337. 3

86435142338.4

Question Number: 83 Question Id: 86435112734 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following cyber attacks with the attack handling tools.

Cyber attack	Tool
i. Brute force attack	a. dnschef
ii. Sniffing and Spoofing attack	b. Quasar
iii. Remote access trojan	c. Hashcat
iv. Phishing	d. InfoSec IQ

Choose the **correct** answer from the options given below:

Options:

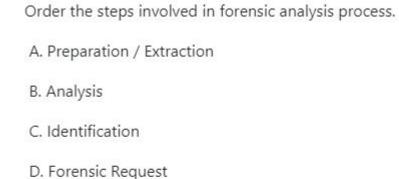
86435142339. 1

86435142340. 2

86435142341.3

86435142342. 4

Question Number: 84 Question Id: 86435112735 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No



E. Forensic Reporting

Choose the *correct* answer from the options given below

1. A, B, C, D, E 2. D, A, C, B, E 3. A, C, B, E, D 4. C, A, B, D, E

Options:

86435142343. 1

 $86435142344.\ 2$

86435142345.3

86435142346.4

Question Number: 85 Question Id: 86435112736 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Statement I: Criminal profiling and Computer Forensics are based on scientific methods.

Statement II: Criminology is the study of nature and influences of criminal behaviour.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142347. 1

86435142348. 2

86435142349.3

86435142350.4

Question Number: 86 Question Id: 86435112737 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Point out the technique used by database forensic expert during database interface to confirm the non-compromise of data.

- 1. Read-only
- 2. Write-only
- 3. Modify-only
- 4. Delete-only

Options:

86435142351.1

86435142353. 3 86435142354. 4

Question Number: 87 Question Id: 86435112738 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Any information that is kept or communicated in binary form is referred to as

1. Physical evidence

- 2. Artifacts
- 3. Signature
- 4. Digital evidence

Options:

86435142355. 1

86435142356. 2

86435142357.3

86435142358.4

Question Number: 88 Question Id: 86435112739 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following cyber crimes with motive.

Cyber crimes	Motive
i. Cyberextortion	a. To access government or company data
ii. Phishing	b. To misuse personal information
iii. Identity theft	c. To demand money
iv. Cyberespionage	d. To steal a person's identity

Choose the correct answer from the options given below:

Options:

86435142359. 1

86435142360. 2

86435142361.3

86435142362. 4

Question Number: 89 Question Id: 86435112740 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Order the steps involved in Computer forensic investigation process.

- A. Evidence Assessment
- B. Evidence Examination
- C. Policy and Procedure Development
- D. Documenting and Reporting
- E. Evidence Acquisition

Choose the correct answer from the options given below

- 1. B, C, D, A, E
- 2. A, C, D, E, B
- 3. C, A, E, B, D
- 4. C, B, D, A, E

Options:

86435142363. 1

86435142364. 2

86435142365. 3

86435142366. 4

Question Number: 90 Question Id: 86435112741 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Statement I: Anti-forensics tools are the popularly used mechanisms in finding evidence.

Statement II: Forensic Tool Kit is a graphical interface tool.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142367. 1

86435142368. 2

86435142369.3

86435142370.4

Question Number: 91 Question Id: 86435112742 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

The occurrence of events in the computer system that links the usage of an individual can be determined using

- 1. Data hiding analysis
- 2. Timeframe analysis
- 3. System analysis
- 4. Network analysis

Options:

86435142371.1

86435142373. 3 86435142374. 4

Question Number: 92 Question Id: 86435112743 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Which of the following offers a method to address the threats identified during risk management?

- 1. Security policy
- 2. Risk management
- 3. Strategic procedures
- 4. Report writing

Options:

86435142375.1

86435142376. 2

86435142377.3

86435142378.4

Question Number: 93 Question Id: 86435112744 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following hackers with their characteristics.

Hacker	Characteristic
i. White hat	a. Amateur hacker
ii. Black hat	b. Ethical hacker
iii. Grey hat	c. Security cracker
iv. Script kiddies	d. Hybrid hacker

Choose the correct answer from the options given below:

Options:

86435142379. 1

86435142380. 2

86435142381.3

86435142382. 4

Question Number: 94 Question Id: 86435112745 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Sequence the Mobile forensics Investigation approach.

- A. Acquisition
- B. Investigation Preparation
- C. Examination and Analysis
- D. Reporting
- E. Seizure and Isolation

Choose the *correct* answer from the options given below

- 1. A, B, C, D, E
- 2. A, C, D, B, E
- 3. B, A, D, C, E
- 4. B, E, A, C, D

Options:

86435142383. 1

86435142384. 2

86435142385.3

86435142386.4

Question Number: 95 Question Id: 86435112746 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Statement I: The evidences collected using digital forensic techniques are statistically analysed and compared.

Statement II: The technical aspect of forensic process deals with the operation of encrypted documents.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142387. 1

86435142388. 2

86435142389.3

86435142390.4

Question Number: 96 Question Id: 86435112747 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Indicate the Chapter of Information Technology Act that deals with penalties and offences.

- 1. Chapter 1
- 2. Chapter 2
- 3. Chapter 11
- 4. Chapter 12

Options:

86435142392. 2 86435142393. 3 86435142394. 4

Question Number: 97 Question Id: 86435112748 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

The appropriate section of amended Information Technology Act that predicts the occurrence of cybersecurity incidents in advance and alerts users.

- 1. Section 67C
- 2. Section 69B
- 3. Section 70B (6)
- 4. Section 70B (4)

Options:

86435142395.1

86435142396. 2

86435142397. 3

86435142398.4

Question Number: 98 Question Id: 86435112749 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following IT Act 2000 sections with their offensive laws.

IT Act 2000 - Section	Law
i. Section 66F	a. Publishing images containing sexual acts
ii. Section 67A	b. Using password of another person
iii. Section 67B	c. Acts of cyber terrorism
iv. Section 66C	d. Publishing child porn online

Choose the **correct** answer from the options given below:

- 1. i b, ii c, iii d, iv a
- 2. i b, ii a, iii c, iv d
- 3. i d, ii c, iii b, iv a
- 4. i c, ii a, iii d, iv b

Options:

- 86435142399. 1
- 86435142400. 2
- 86435142401.3
- 86435142402.4

Question Number: 99 Question Id: 86435112750 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Sequence the Intellectual Property Rights as per the year of establishment.

- A. The Biological Diversity Act
- B. The Copyright Act
- C. The Designs Act
- D. The Trade Marks Act
- E. The Patents Rules

Choose the *correct* answer from the options given below

- 1. A, B, E, D, C
- 2. C, D, B, E, A
- 3. B, E, D, C, A
- 4. B, D, C, A, E

Options:

86435142403.1

86435142404. 2

86435142405.3

86435142406.4

Question Number: 100 Question Id: 86435112751 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Statement I: The first schedule of the ITA 2000 widens the scope of the document tenure within electronic documents realm.

Statement II: Attempt to commit an offense is punishable by section 84 B.

In light of the above statements, choose the **most appropriate** answer from the options given below

- 1. Both Statement I and Statement II are correct
- 2. Both Statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect
- 4. Statement I is incorrect but Statement II is correct

Options:

86435142407. 1

86435142408. 2

86435142409.3