



CompTIA Security+ Certification Exam SY0-701 Practice Test 6

► Which of the following answers can be used to describe self-signed digital certificates? (Select 3 answers)

 ☐ ☒ Backed by a well-known and trusted third party (✗ Your answer)

☐ ☒  Not trusted by default by web browsers and other applications (✗ Missed)

 ☒ ☒ Used in trusted environments, such as internal networks and development environments (✓ Your answer)

☐ ☐ ☐ Suitable for websites and other applications that are accessible to the public

 ☐ ☒ Trusted by default by web browsers and other applications (✗ Your answer)

☐ ☒  Not backed by a well-known and trusted third party (✗ Missed)

☒ Your answer to this question is incorrect or incomplete.


► A self-signed digital certificate is also referred to as:

 ☐ ☒ Client certificate (✗ Your answer)

☐ ☐ ☐ EV certificate

☐ ☐ ☐ Server certificate



☐ ☐ ☐ Wildcard certificate

☐ ☒  None of the above (✗ Missed)

☒ Your answer to this question is incorrect or incomplete.

► Third-party digital certificates, issued by trusted CAs, are automatically trusted by most browsers and operating systems, involve a cost, and require validation of the applicant's identity. In contrast,



self-signed certificates, issued by the entity to itself, are not automatically trusted, are free to create and use, and do not require validation by a CA.

  ☒ True (☒ Your answer)

☐ ☐ ☐ False

☒ You correctly answered this question.

► In the context of digital certificates, the term "Root of trust" refers to the highest level of trust within a PKI system. It is typically represented by a root CA, which is a trusted third party that serves as the foundation for the entire PKI. All other entities in the PKI hierarchy, including intermediate CAs and end-entities (such as web servers, email servers, user devices, IoT devices, and individual users), derive their trust from this root. When a certificate is issued and signed by an intermediate CA, it gains trust through a chain of trust back to the root CA. This hierarchical trust model allows users and systems to trust certificates presented by websites, services, or individuals because they can trace the trust back to the well-established root of trust.



  ☒ True (☒ Your answer)

☐ ☐ ☐ False

☒ You correctly answered this question.

► Which of the answers listed below refers to a PKI trust model?

☐ ☐ ☐ Single CA model

 ☐ ☒ Hierarchical model (root CA + intermediate CAs) ( Your answer)




☐ ☐ ☐ Mesh model (cross-certifying CAs)

☐ ☐ ☐ Web of trust model (all CAs function as root CAs)

☐ ☐ ☐ Chain of trust model (multiple CAs in a sequential chain)

☐ ☐ ☐ Bridge model (cross-certifying between separate PKIs)

☐ ☐ ☐ Hybrid model (combining aspects of different models)

☐   All of the above ( Missed)

☒ Your answer to this question is incorrect or incomplete.

► Which of the following answers refers to a cryptographic file generated by an entity requesting a digital certificate from a CA?

☐ ☐ ☐ OID

👉 ✓ ☒ CSR (☒ Your answer)

☐ ☐ ☐ DN

☐ ☐ ☐ CRL

☒ You correctly answered this question.

► A type of digital certificate that can be used to secure multiple subdomains within a primary domain is known as:

☐ ☐ ☐ Root signing certificate

☐ ☐ ☐ Subject Alternative Name (SAN) certificate

👉 ☐ ☒ Extended Validation (EV) certificate (✗ Your answer)

☐ ✓ 🗣️ Wildcard certificate (⊗ Missed)

☒ Your answer to this question is incorrect or incomplete.

► Which digital certificate type allows to secure multiple domain names or subdomains with a single certificate?

👉 ☐ ☒ Extended Validation (EV) certificate (✗ Your answer)

☐ ☐ ☐ Wildcard certificate

☐ ✓ 🗣️ Subject Alternative Name (SAN) certificate (⊗ Missed)

☐ ☐ ☐ Root signing certificate

☒ Your answer to this question is incorrect or incomplete.

► Which of the answers listed below refers to an identifier used for PKI objects?

👉 ✓ ☒ OID (☒ Your answer)

☐ ☐ ☐ DN

☐ ☐ ☐ SAN

☐ ☐ ☐ GUID

☒ You correctly answered this question.

► In IT security, the term "Shadow IT" is used to describe the practice of using IT systems, software, or services within an organization without the explicit approval or oversight of the organization's IT department.

☒ ☒ True (☒ Your answer)

☐ ☐ ☐ False

☒ You correctly answered this question.

► Choose an answer from the drop-down list on the right to match a threat actor type on the left with its common attack vector attribute.

Question	Answer	Your answer	Result
Nation-state	External	External	<input checked="" type="checkbox"/> Correct answer
Unskilled attacker	Internal/External	Internal/External	<input checked="" type="checkbox"/> Correct answer
Hacktivist	External	External	<input checked="" type="checkbox"/> Correct answer
Insider threat	Internal	Internal	<input checked="" type="checkbox"/> Correct answer
Organized crime	External	Internal/External	<input type="checkbox"/> Wrong answer
Shadow IT	Internal	Internal	<input checked="" type="checkbox"/> Correct answer

☐ Your answer to this question is incorrect or incomplete.

► Match each threat actor type with its corresponding resources/funding attribute.

Question	Answer	Your answer	Result
Nation-state	High resources and funding	High resources and funding	<input checked="" type="checkbox"/> Correct answer
Unskilled attacker	Low resources and funding	Low resources and funding	<input checked="" type="checkbox"/> Correct answer

Question	Answer	Your answer	Result
Hacktivist	Low to medium resources and funding	Medium to high resources and funding	<input type="checkbox"/> Wrong answer
Insider threat	Low to high resources and funding	Low to high resources and funding	<input checked="" type="checkbox"/> Correct answer
Organized crime	Medium to high resources and funding	High resources and funding	<input type="checkbox"/> Wrong answer
Shadow IT	Low to medium resources and funding	Medium to high resources and funding	<input type="checkbox"/> Wrong answer

☐ Your answer to this question is incorrect or incomplete.

► Assign the level of sophistication attribute to each threat actor type listed below.

Question	Answer	Your answer	Result
Nation-state	High level of sophistication	High level of sophistication	<input checked="" type="checkbox"/> Correct answer
Unskilled attacker	Low level of sophistication	Low level of sophistication	<input checked="" type="checkbox"/> Correct answer
Hacktivist	Low to medium level of sophistication	Medium to high level of sophistication	<input type="checkbox"/> Wrong answer
Insider threat	Low to high level of sophistication	Low to high level of sophistication	<input checked="" type="checkbox"/> Correct answer
Organized crime	Medium to high level of sophistication	High level of sophistication	<input type="checkbox"/> Wrong answer
Shadow IT	Low to medium level of sophistication	Low to high level of sophistication	<input type="checkbox"/> Wrong answer

☐ Your answer to this question is incorrect or incomplete.

► From the drop-down list on the right, select the typical motivations behind the actions of each threat actor type.

Question	Answer	Your answer	Result
Nation-state	Espionage, political/philosophical beliefs, disruption/chaos, war	Espionage, political/philosophical beliefs, disruption/chaos, war	<input checked="" type="checkbox"/> Correct answer

Question	Answer	Your answer	Result
Unskilled attacker	Disruption/chaos, financial gain, revenge	Convenience, lack of awareness of security risks, meeting specific needs	❌ Wrong answer
Hacktivist	Ethical beliefs, philosophical/political beliefs, disruption/chaos	Espionage, political/philosophical beliefs, disruption/chaos, war	❌ Wrong answer
Insider threat	Revenge, financial gain, service disruption	Revenge, financial gain, service disruption	✅ Correct answer
Organized crime	Financial gain, data exfiltration, extortion	Disruption/chaos, financial gain, revenge	❌ Wrong answer
Shadow IT	Convenience, lack of awareness of security risks, meeting specific needs	Financial gain, data exfiltration, extortion	❌ Wrong answer

❌ Your answer to this question is incorrect or incomplete.

► Which of the following terms is used to describe sophisticated and prolonged cyberattacks often carried out by well-funded and organized groups, such as nation-states?

☐ ☐ ☐ MitM

👍 ✅ ☒ APT (☒ Your answer)

☐ ☐ ☐ XSRF

☐ ☐ ☐ DDoS

✅ You correctly answered this question.

► An attack surface is the sum of all the potential points (vulnerabilities) through which an attacker can interact with or compromise a system or network, indicating the overall exposure to potential threats. Examples of attack surfaces can be all software, hardware, and network interfaces with known security flaws. A threat vector represents the method or means through which a cyber threat is introduced or delivered to a target system. It outlines the pathway or avenue used by attackers to exploit vulnerabilities. Common threat vector types include phishing emails, malware, drive-by downloads, and social engineering techniques.

👍 ✅ ☒ True (☒ Your answer)

☐ ☐ ☐ False

☒ You correctly answered this question.

► Which of the answers listed below refers to an email-based threat vector?

☐ ☐ ☐ Spoofing

☐ ☐ ☐ Phishing

☐ ☐ ☐ BEC attacks

☐ ☐ ☐ Malicious links

☐ ☐ ☐ Malware attachments

☐ ☒ ☒ All of the above (☒ Your answer)

☒ You correctly answered this question.

► Which of the following terms refers to a threat vector commonly associated with SMS-based communication?

☐ ☐ ☐ Phishing

☐ ☐ ☐ Vishing

☐ ☒ ☒ Smishing (☒ Your answer)

☐ ☐ ☐ Pharming

☒ You correctly answered this question.

► Which of the answers listed below refers to an example of a potential threat vector in IM-based communication?

☐ ☐ ☐ Phishing attack



☐ ☐ ☐ Malware distribution

☐ ☐ ☐ Spoofing attack

☐ ☐ ☒ Eavesdropping (✗ Your answer)

☐ ☐ ☐ Account hijacking

☐ ☐ ☐ Malicious link/attachment


☐ ☒  All of the above ( Missed)

 Your answer to this question is incorrect or incomplete.

► Which of the following answers refer to examples of image-based threat vectors? (Select 3 answers)

 ☒ ☒ Steganography (☒ Your answer)

☐ ☐ ☐ BEC attacks

 ☒ ☒ Image spoofing (deepfakes) (☒ Your answer)

☐ ☐ ☐ Brand impersonation

 ☒ ☒ Malware-embedded images (☒ Your answer)

☒ You correctly answered this question.

► Which of the answers listed below refers to a file-based threat vector?

☐ ☐ ☐ PDF exploits


☐ ☐ ☐ Malicious macros in documents

☐ ☐ ☐ Compressed files (ZIP, RAR)

☐ ☐ ☐ Malicious scripts in web pages

☐ ☐ ☐ Infected images

☐ ☐ ☐ Malicious executables

 ☒ ☒ All of the above (☒ Your answer)

☒ You correctly answered this question.

► Which of the following answer choices is an example of a threat vector type that is typical for voice communication?

☐ ☐ ☐ Smishing

☐ ☐ ☐ Pharming

☒ ☒ ☒ Vishing (☒ Your answer)

☐ ☐ ☐ Phishing

☒ You correctly answered this question.

► Examples of threat vectors directly related to the use of removable devices include: (Select 2 answers)

☐ ☐ ☐ Pretexting

☐ ☒ ☒ Malware delivery (☒ Missed)

☒ ☐ ☒ Watering hole attacks (☒ Your answer)

☒ ☒ ☒ Data exfiltration (☒ Your answer)

☐ ☐ ☐ Social engineering attacks

☒ Your answer to this question is incorrect or incomplete.

► Which of the answers listed below refer(s) to client-based software threat vector(s)? (Select all that apply)

☒ ☒ ☒ Drive-by download via web browser (☒ Your answer)

☒ ☒ ☒ Malicious macro (☒ Your answer)

☐ ☐ ☐ Vulnerability in a network protocol or device

☐ ☒ ☒ USB-based attack (☒ Missed)



☒ ☒ ☒ Infected executable file (☒ Your answer)


☒ ☒ ☒ Malicious attachment in email application (☒ Your answer)



☒ Your answer to this question is incorrect or incomplete.


► Which of the following answers refer to agentless software threat vectors? (Select 2 answers)

☐ ☐ ☐ Phishing email

 ☐  Malicious USB drive (✖ Your answer)

☐ ☒  Network protocol vulnerability (⊗ Missed)

 ☐  Infected macro (✖ Your answer)

☐ ☒  Packet sniffing (⊗ Missed)

 Your answer to this question is incorrect or incomplete.

Your Final Report

Total marks	55
Total Questions	25
Questions correctly answered	12
Success ratio	48%
Marks secured	33
Percentage secured	60%

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