





CompTIA Security+ Certification Exam SY0-701 Practice Test 3

► The MIME specification extends the email message format beyond plain text, enabling the transfer of graphics, audio, and video files over the Internet mail system. S/MIME is an enhanced version of the MIME protocol that enables email security features by providing encryption, authentication, message integrity, and other related services.





   True ( Your answer)

☐ ☐ ☐ False

 You correctly answered this question.

► What is the name of a network protocol that enables secure file transfer over SSH?

☐ ☐ ☐ TFTP




   SFTP ( Your answer)

☐ ☐ ☐ Telnet

☐ ☐ ☐ FTPS


 You correctly answered this question.

► SFTP is an extension of the FTP protocol that adds support for SSL/TLS encryption.


 ☐  True ( Your answer)


☐   False ( Missed)

 Your answer to this question is incorrect or incomplete.

 A type of cryptographic network protocol for secure data communication, remote command-line login, remote command execution, and other secure network services between two networked

computers is known as:

 ☐ ☒ RDP (✖ Your answer)


☐ ☒  SSH (⊗ Missed)

☐ ☐ ☐ Telnet

☐ ☐ ☐ SCP

 Your answer to this question is incorrect or incomplete.

► Which of the answers listed below refers to a suite of protocols and technologies providing encryption, authentication, and data integrity for network traffic?

 ☐ ☒ TLS (✖ Your answer)

☐ ☐ ☐ SSH

☐ ☒  IPsec (⊗ Missed)

☐ ☐ ☐ VPN

 Your answer to this question is incorrect or incomplete.

► Which part of IPsec provides authentication, integrity, and confidentiality?

☐ ☐ ☐ SPD

☐ ☐ ☐ PFS

 ☐ ☒ AH (✖ Your answer)

☐ ☒  ESP (⊗ Missed)

 Your answer to this question is incorrect or incomplete.

► A system that uses public network (such as the Internet) as a means for creating private encrypted connections between remote locations is referred to as:

☐ ☐ ☐ WWAN

 ☒ ☒ VPN (✔ Your answer)

☐ ☐ ☐ PAN

☐ ☐ ☐ VLAN

☒ You correctly answered this question.

► Which protocol enables secure, real-time delivery of audio and video over an IP network?

☐ ☐ ☐ S/MIME

☐ ☒ ☐ RTP (✗ Your answer)

☐ ☐ ☐ SIP

☐ ☒ ☐ SRTP (⊗ Missed)

☒ Your answer to this question is incorrect or incomplete.

► An encryption protocol primarily used in Wi-Fi networks implementing the WPA2 security standard is called:

☐ ☒ ☐ TKIP (✗ Your answer)

☐ ☒ ☐ CCMP (⊗ Missed)

☐ ☐ ☐ SSL

☐ ☐ ☐ IPsec

☒ Your answer to this question is incorrect or incomplete.

► A security protocol designed to improve the security of existing WEP implementations is known as:

☐ ☒ ☐ WPA2 (✗ Your answer)

☐ ☐ ☐ RC4

☐ ☐ ☐ CCMP





☐ ☒ ☐ TKIP (⊗ Missed)

☒ Your answer to this question is incorrect or incomplete.





► Which of the following answer(s) refer(s) to deprecated/insecure encryption protocols and cryptographic hash functions? (Select all that apply)





   DES ( Your answer)





☐ ☐ ☐ AES-256


   MD5 ( Your answer)

☐ ☐ ☐ ECC

   SHA-1 ( Your answer)





   SSL ( Your answer)

   RC4 ( Your answer)

 You correctly answered this question.

► Which cryptographic protocol is designed to provide secure communications over a computer network and is the successor to SSL?

☐ ☐ ☐ IPsec




   TLS ( Your answer)



☐ ☐ ☐ AES

☐ ☐ ☐ CCMP

 You correctly answered this question.




► Examples of techniques used for encrypting information include symmetric encryption (also called public-key encryption) and asymmetric encryption (also called secret-key encryption, or session-key encryption).


 ☐  True ( Your answer)

☐   False ( Missed)

 Your answer to this question is incorrect or incomplete.

► In asymmetric encryption, any message encrypted with the use of a public key can only be decrypted by applying the same algorithm and a matching private key (and vice versa).


☐   True ( Missed)

 ☐ ☒ False (✖ Your answer)

 Your answer to this question is incorrect or incomplete.

► Which of the algorithms listed below are not symmetric ciphers? (Select 3 answers)


☐ ☐ ☐ AES

 ☐ ☒ DES (✖ Your answer)

☐ ✓  DHE (⊗ Missed)

 ✓ ☒ ECC (✓ Your answer)


☐ ☐ ☐ IDEA

 ☐ ☒ RC4 (✖ Your answer)

☐ ✓  RSA (⊗ Missed)

 Your answer to this question is incorrect or incomplete.

► Which of the following algorithms do(es) not fall into the category of asymmetric encryption?
(Select all that apply)


 ✓ ☒ AES (✓ Your answer)


☐ ✓  DES (⊗ Missed)

☐ ☐ ☐ DHE

☐ ☐ ☐ ECC


☐ ✓  IDEA (⊗ Missed)


 ✓ ☒ RC4 (✓ Your answer)

 ☐ ☒ RSA (✖ Your answer)

 Your answer to this question is incorrect or incomplete.

► The term "KEK" refers to a type of cryptographic key often used in key management systems to add an additional layer of security when encrypting and decrypting other cryptographic keys.

☐ ✓  True (⊗ Missed)


 ☐ ☒ False (✗ Your answer)

☒ Your answer to this question is incorrect or incomplete.

► Which of the answers listed below refers to a shared secret authentication method used in WPA, WPA2, and EAP?

☐ ✓  PSK (⊗ Missed)


☐ ☐ ☐ 802.1X

 ☐ ☒ SAE (✗ Your answer)

☐ ☐ ☐ TKIP

☒ Your answer to this question is incorrect or incomplete.

► Which of the following answers refers to a protocol used to set up secure connections and exchange of cryptographic keys in IPsec VPNs?

 ☐ ☒ SSL (✗ Your answer)

☐ ✓  IKE (⊗ Missed)

☐ ☐ ☐ ESP


☐ ☐ ☐ DHE


☒ Your answer to this question is incorrect or incomplete.

► Which of the answers listed below refers to a key exchange protocol that generates temporary keys for each session, providing forward secrecy to protect past and future communications?

☐ ☐ ☐ PFS

☐ ☐ ☐ SHA

 ☐ ☒ PGP (✗ Your answer)

☐ ✓  DHE (⊗ Missed)

☒ Your answer to this question is incorrect or incomplete.

▶ Which of the following answers refers to a cryptographic key exchange protocol that leverages ECC for enhanced security and efficiency?

☐ ☐ ☐ S/MIME

☐ ☒ ☐ ECDHE (⊗ Missed)

☐ ☐ ☐ DHE

☐ ☐ ☒ ECDSA (⊗ Your answer)

☒ Your answer to this question is incorrect or incomplete.

▶ Which of the answers listed below refers to a solution designed to strengthen the security of session keys?

☐ ☐ ☒ ECB (⊗ Your answer)

☐ ☒ ☐ PFS (⊗ Missed)

☐ ☐ ☐ EFS

☐ ☐ ☐ PFX

☒ Your answer to this question is incorrect or incomplete.

▶ Which of the following answers refers to a public-key cryptosystem that leverages the mathematical properties of large prime numbers to facilitate secure key exchange, create digital signatures, and encrypt data?

☐ ☐ ☒ ECC (⊗ Your answer)

☐ ☒ ☐ RSA (⊗ Missed)

☐ ☐ ☐ PKI

☐ ☐ ☐ DSA

☒ Your answer to this question is incorrect or incomplete.

▶ Which cryptographic solution would be best suited for low-power devices, such as IoT devices, embedded systems, and mobile devices?

☐ ☒ ☐ ☐ ECC (⊗ Missed)

☐ ☐ ☐ DES (⊗ Your answer)

☐ ☐ ☐ RSA

☐ ☐ ☐ AES

☐ Your answer to this question is incorrect or incomplete.

► Which of the cryptographic algorithms listed below is the least vulnerable to attacks?

☐ ☒ ☒ AES (☒ Your answer)

☐ ☐ ☐ DES

☐ ☐ ☐ RC4

☐ ☐ ☐ 3DES

☒ You correctly answered this question.

Your Final Report

Total marks	34
Total Questions	25
Questions correctly answered	6
Success ratio	24%
Marks secured	13
Percentage secured	38.24%

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CompTIA Security+ Certification SY0-601 Practice Tests by Exam Topic

[Social Engineering Quiz \(/comptia-security-plus-certification-exam-sy0-601-social-engineering-quiz\)](#)

[Malware Quiz \(/comptia-security-plus-certification-exam-sy0-601-malware-quiz\)](#)

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[Secure Network Protocols Quiz \(/comptia-security-plus-certification-exam-sy0-601-secure-network-protocols-quiz\)](#)

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[Digital Forensics Quiz \(/comptia-security-plus-certification-exam-sy0-601-digital-forensics-quiz\)](#)

[Security Controls Quiz \(/comptia-security-plus-certification-exam-sy0-601-security-controls-quiz\)](#)

[Risk Management Concepts Quiz \(/comptia-security-plus-certification-exam-sy0-601-risk-management-concepts-quiz\)](#)

Exam Glossaries

[Malware Glossary \(/malware-glossary\)](#)

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