

QUIZ – 5: Encryption Fundamentals

QUESTION 1 OF 10

Which of the following is an encryption method developed by three mathematicians?

Choose only ONE best answer.

A PGP

B DES

C DSA

D RSA 


QUESTION 2 OF 10

What is the purpose of a certificate?

Choose only ONE best answer.

A To verify that software is virus free

B To guarantee that a signature is valid

C To validate the sender of a digital signature or software 

D To validate the recipient of a software.

This answer is correct.

QUESTION 3 OF 10

Secure Multipurpose Internet Mail Extensions (S/MIME) use X.509 certificates to secure e-mail communication

Choose only ONE best answer.

A True 

B False

This answer is correct.

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QUESTION 4 OF 10

Blowfish is an asymmetric stream cipher

Choose only ONE best answer.

A True

B False



This answer is correct.

QUESTION 6 OF 10

Which of the following uses key sizes equal to 128, 192 and 256 bits?

Choose only ONE best answer.

A DES

B RSA

C 3DES

D AES



This answer is correct.

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QUESTION 7 OF 10

What is a digital signature?

Choose only ONE best answer.

- ☒ **A** A piece of encrypted data added to other data to verify the sender
- ☐ **B** A scanned version of your signature, often in .jpg format
- ☐ **C** A signature that is entered via a digital pad or other device
- ☐ **D** A method for verifying the recipient of a document

This answer is correct.

QUESTION 8 OF 10

Which of the following encryption algorithms is a block cipher and uses the Rijndael algorithm?

Choose only ONE best answer.

- ☐ **A** DES
- ☐ **B** RSA
- ☒ **C** AES
- ☐ **D** NSA

This answer is correct.

QUESTION 3 OF 10

Which hashing algorithm do modern Windows systems use?

Choose only ONE best answer.

- ☐ **A** SHA1
- ☐ **B** SHA2
- ☐ **C** LM
- ☒ **D** NTLM

This answer is correct.


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QUESTION 6 OF 10

Which of the following is a symmetric key system using blocks?

Choose only ONE best answer.

A RSA

B DES 

C PGP

D Diffie-Hellman

This answer is correct.

QUESTION 4 OF 10

Which encryption algorithm uses a variable length symmetric key?

Choose only ONE best answer.

A RSA

B Blowfish 

C DES

D PGP

This answer is correct.

QUIZ – 5: Encryption Fundamentals

Good job!
You passed this quiz with a score of

100%

You need 60% to pass

CONTINUE →

RETAKE QUIZ

You answered 10 out of 10 questions correctly

1. Which of the following is a symmetric key system using blocks? ✓

2. What is the purpose of a certificate? ✓

3. Which hashing algorithm do modern Windows systems use? ✓

4. Which encryption algorithm uses a variable length symmetric key? ✓

5. Which of the following uses key sizes equal to 128, 192 and 256 bits? ✓

6. Blowfish is an asymmetric stream cipher ✓

7. What is a digital signature? ✓

8. Which of the following encryption algorithms is a block cipher and uses the Rijndael algorithm? ✓

9. Which of the following is an encryption method developed by three mathematicians? ✓

10. Secure Multipurpose Internet Mail Extensions (S/MIME) use X.509 certificates to secure e-mail communication ✓