Quiz Submissions - Module 5 self-test •

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Attempt 8
Written: Mar 18, 2017 3:12 PM - Mar 18, 2017 3:13 PM
Submission View
Your quiz has been submitted successfully. Information
Choose the best answer.
Questions
Question 1 1 / 1 point
If trying all the keys of a 40-bit cipher takes 1 second on a certain computer network, how long would it take to try all the keys of a 120-bit cipher? You can assume that trying each key takes the same amount of time in each case.
O 3 seconds
2^3 seconds
○ 80 seconds
2^80 seconds
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Question 2 1 / 1 point
Which of the following statements are true?
 Using encryption without integrity protection is sufficient to protect against passive adversaries like Eve. One-time pads can be implemented efficiently by using a pseudorandom keystream generator.
○ Neither
Only statement 1
Only statement 2
O Both statements
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Question 3 1 / 1 point
About how long would an RSA key have to be in order to have the same cryptographic strength as a 128-bit AES key?
33 bits
128 bits
2600 bits
2^128 bits

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Question 4	1 / 1 point
If there are 40 people in a room, what is the probability they all have different birthdays (month and day)?	
O 40/365	
O About 1/2	
About 1/10	
O About 1/1000000	
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Question 5	1 / 1 point
Which statement is true?	
Message Authentication Codes allow for deniable authentication.	
One makes a digital signature by decrypting a message with a private signature key.	
The Verify function in a digital signature scheme takes two arguments and outputs a boolean.	
To hybridize a signature, send a hash of a large message and a signature on that hash.	
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Question 6	1 / 1 point
Which kinds of cryptography are most appropriate for program security?	
Keyless encodings, such as base-64 or ASCII armor	
Symmetric-key encryption and MACs	
Public-key decryption and signing	
Public-key encryption and signature verification	
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Question 7	1 / 1 point
Which of these is <i>not</i> a flaw in WEP?	
The IV is too short.	
The IV is not encrypted.	
The checksum interacts pessimally with the stream cipher.	
The authentication protocol reveals enough information for an attacker to authenticate herself.	
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Right! The IV in WEP is in fact not encrypted, but that doesn't cause a problem with the protocol.

Question 8	1 / 1 point
Encoding IP packets as hostnames and looking them up in DNS is an example of:	
○ IPSec	
O A VPN	
O DNS spoofing	
Tunelling	
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Question 9	1 / 1 point
What is the most successful privacy enhancing technology in use today?	
• SSL / TLS	
○ Tor	
O Anonymizer.com	
Remailers	
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Question 10	1 / 1 point
A particular store requires you to show photo ID in order to get their loyalty card. Later, using that card along payment would have what level of nymity?	y with a cash
• Verinymity	
Pseudonymity	
C Linkable anonymity	
Unlinkable anonymity	
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Question 11	1 / 1 point
Perfect forward secrecy protects against what attack?	
An adversary trying every possible decryption key in order to read past messages	
An adversary stealing your decryption key in order to read past messages	
An adversary trying every possible decryption key in order to read future messages	
An adversary stealing your decryption key in order to read future messages	
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Attempt Score: 11 / 1

Overall Grade (last attempt): 11 / 1

Done