



CRYPTOGRAPHIC FUNDAMENTALS (BCSE2350 PR)

Question 1Not yet
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0.50 Flag question

Amongst which of the following is /are good for Hashes,

Select one:


- ☐ a. Data integrity / file verification
- ☐ b. Password protection
- ☐ c. Digital signatures and virus signatures
- ☒ d. All of the mentioned above

[Clear my choice](#)**Question 2**Not yet
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Cryptographic hashing provides a barrier to potential _____.

Select one:

- ☐ a. None of the mentioned above
- ☒ b. Attackers
- ☐ c. Receiver
- ☐ d. Sender

[Clear my choice](#)**Question 3**Not yet
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Basically, in SHA-512, the message is divided into blocks of size ___ bits for the hash computation.

Select one:

- ☐ a. 512
- ☐ b. 256
- ☒ c. 1024
- ☐ d. 1248

[Clear my choice](#)

Quiz navigation

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Question 4

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____ and encryption is two separate cryptographic processes.

Select one:

- ☐ a. Processing
- ☐ b. None of the mentioned above
- ☐ c. Decryption
- ☒ d. Hashing

[Clear my choice](#)

Question 5

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Hash functions are used in ____ and have variable levels of complexity and difficulty.

Select one:

- ☐ a. None of the mentioned above
- ☐ b. System approach
- ☒ c. Cryptography
- ☐ d. Cyber safe

[Clear my choice](#)

Question 6

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"The Hash Function takes an input of arbitrary length and converts it into a fixed length output." Which of the following names can we use for denoting the output of the hash function?

Select one:

- ☐ a. Hash value
- ☒ b. All of the above
- ☐ c. Hash Code
- ☐ d. Message Digest

[Clear my choice](#)

Question 7

Not yet
answered

Which of the following is /are offered by the Hash functions?

Select one:



Search




[Clear my choice](#)

Question 7

Not yet answered

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 Flag question

Which of the following is /are offered by the Hash functions?

Select one:


- ☒ a. All of the above
- ☐ b. Data Integrity
- ☐ c. Authentication
- ☐ d. Non repudiation

[Clear my choice](#)

Question 8

Not yet answered

Marked out of 0.50

 Flag question

Which of the following is not a property of Hash Function?

Select one:


- ☐ a. Pre-Image Resistance
- ☐ b. Fixed Length Output
- ☒ c. None of the above
- ☐ d. Compression

[Clear my choice](#)

Question 9

Not yet answered

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 Flag question

Which of the following security services cannot be achieved using the Hash functions?

Select one:

- ☒ a. Data retrieval in its original form
- ☐ b. Password Check
- ☐ c. Data Integrity check
- ☐ d. Digital Signatures

[Clear my choice](#)

Question 10

Hash functions are mathematical functions that transform an "arbitrary" sized set of data into a bit string of fixed size, also known as the hash value.



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- ☐ a. Fixed Length Output
- ☒ b. None of the above
- ☐ c. Compression

[Clear my choice](#)

Question 9

Not yet answered

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Flag question

Which of the following security services cannot be achieved using the Hash functions?

Select one:

- ☒ a. Data retrieval in its original form
- ☐ b. Password Check
- ☐ c. Data Integrity check
- ☐ d. Digital Signatures

[Clear my choice](#)

Question 10

Not yet answered

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Flag question

Hash functions are mathematical functions that transform or "map" a given set of data into a bit string of fixed size, also known as the hash value.

Select one:

- ☒ a. Hash value
- ☐ b. None of the mentioned above
- ☐ c. Both A and B
- ☐ d. Map value

[Clear my choice](#)[Finish attempt ...](#)