


CRYPTOGRAPHIC FUNDAMENTALS (BCSE2350 PR)

Question 1

Not yet answered

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 Flag question

In the case of symmetric key encryption, the secret key that both the parties possess can be anything such as a _____.


Select one:

- ☐ a. Network set
- ☒ b. None of the mentioned above
- ☐ c. Developed code
- ☐ d. Passcode or a password

[Clear my choice](#)**Question 2**

Not yet answered

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Which of the following cipher techniques include the involvement of matrix operations in their algorithms of encryption and decryption?


Select one:

- ☐ a. Playfair cipher
- ☐ b. Hill Cipher
- ☒ c. Both a and b
- ☐ d. None of the above

[Clear my choice](#)**Question 3**

Not yet answered

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Consider the following steps, i) Substitution bytes ii) Shift Rows iii) Mix columns iv) Add round key, The above steps are performed in each round of which of the following ciphers?

Select one:

- ☐ a. Data Encryption Standard (DES)
- ☐ b. Rail fence cipher
- ☒ c. Advance Encryption Standard (AES)
- ☐ d. None of the above

[Clear my choice](#)**Quiz navigation**

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[Finish attempt ...](#)Time left **0:10:30**

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Question 4

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Which of the following cannot be chosen as a key in the Caesar cipher?

Select one:

- ☐ a. An alphabet (A-Z or a-z)
- ☐ b. None of the above
- ☐ c. An integer
- ☒ d. A string

[Clear my choice](#)

Question 5

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0.50

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With symmetric key algorithms, the ____ key is used for the encryption and decryption of data.

Select one:

- ☐ a. Both A and B
- ☒ b. Same
- ☐ c. None of the mentioned above
- ☐ d. Different

[Clear my choice](#)

Question 6

Not yet
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Which of the following ciphers uses asymmetric key cryptography?

Select one:

- ☐ a. Data Encryption Standard (DES)
- ☐ b. None of the above
- ☒ c. Diffie Hellman Cipher
- ☐ d. Rail Fence Cipher

[Clear my choice](#)

Question 7

Not yet
answered

____ ciphers encrypt uniformly sized blocks of data.

Select one:




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[Clear my choice](#)

Question 7

Not yet
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_____ ciphers encrypt uniformly sized blocks of data.

Select one:

- ☐ a. Rack
- ☐ b. All of the mentioned above
- ☒ c. Block
- ☐ d. Set

[Clear my choice](#)

Question 8

Not yet
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0.50 Flag question


_____ is the message or data that can be readable by the sender.

Select one:

- ☒ a. Plain text
- ☐ b. Main Text
- ☐ c. All of the mentioned above
- ☐ d. Edited

[Clear my choice](#)

Question 9

Not yet
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0.50 Flag question

We are provided the plain text "SUN". You need to convert the given plain text into ciphertext under the Ceasar cipher encryption technique. Which of the following options is the correct ciphertext for the given text if the key is 2?

Select one:

- ☐ a. WUP
- ☐ b. NUS
- ☐ c. QSL
- ☒ d. UWP

[Clear my choice](#)

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answered

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Select one:

- ☒ a. Plain text
- ☐ b. Main Text
- ☐ c. All of the mentioned above
- ☐ d. Edited

[Clear my choice](#)

Question 9

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Flag question

We are provided the plain text "SUN". You need to convert the given plain text into ciphertext under the Ceasar cipher encryption technique. Which of the following options is the correct ciphertext for the given text if the key is 2?

Select one:

- ☐ a. WUP
- ☐ b. NUS
- ☐ c. QSL
- ☒ d. UWP

[Clear my choice](#)

Question 10

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"Cipher" is synonymous with "code",

Select one:

- ☒ a. False
- ☐ b. True

[Clear my choice](#)

Finish attempt ...