

Test Bank for Computer Forensics Investigating Data and Image Files CHFI 2nd Edition by EC-Council

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Test Bank

MULTIPLE CHOICE

1 : Which of the following can be described as the practice of embedding hidden messages within a carrier medium?

- A : Encryption
- B : Steganography
- C : Hashing
- D : Cryptography

Correct Answer : B

2 : In a stegosystem, what is used to encrypt and decrypt a message?

- A : cipher
- B : stego-medium
- C : stego-key
- D : hash

Correct Answer : C

3 : In steganography, what is used to hide a message?

- A : Stego-medium
- B : Stego-channel
- C : Cover medium
- D : Cover channel

Correct Answer : C

4 : What technique is used to hide information through the use of signs or symbols?

- A : Open codes
- B : Covered ciphers
- C : LSBs
- D : Semagrams

Correct Answer : D

5 : In which digital steganography technique is the rightmost bit in the binary notation substituted with a bit from the embedded message?

- A : least-significant-bit (LSB)
- B : most-significant-bit (MSB)
- C : injection
- D : perceptual masking

Correct Answer : A

6 : Which digital steganography technique does an encoder perform a sequence of modifications to the cover that corresponds to a secret message?

- A : Perceptual masking
- B : A transform-domain
- C : Injection
- D : Distortion

Correct Answer : D

7 : Which steganography technique assigns two synonyms primary and secondary values, which, when decoded, the primary value is read as 1 and the secondary as 0?

- A : Open code
- B : A semagram
- C : Syntactic steganography
- D : Semantic steganography

Correct Answer : D

8 : Which technique for removing watermarks is carried out by searching for a number of different objects having the same watermark, allowing the forensic investigator to isolate and remove the watermark by comparing the copies?

- A : Jitter attack
- B : Collusion attack
- C : StirMark
- D : Echo hiding

Correct Answer : B

9 : Which test, used to detect steganographic content, reveals that an image has been modified by examining the statistical properties of the original?

- A : color palettes
- B : appended spaces
- C : Stegdetect
- D : statistical tests

Correct Answer : D

10 : Which attack on steganography presumes that the message and the stego-medium are present and the technique by which the message was embedded can be determined?

- A : Known-cover attack
- B : Known-message attack
- C : Chosen-message attack
- D : Chosen-stego attack

Correct Answer : B