Computer Forensics Investigating Data and Image Files CHFI 2nd edition EC-Council Test Bank

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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