Assignment 8

The due date for submitting this assignment has passed.

1. Which of the following terms are true for USB insertion methodology? 
   - The original media file can be recovered at the receiving end.
   - It is vulnerable to media manipulation attacks.
   - One or more least significant bits of each element in the media file are used for hiding information.
   - All of the above.
   
   *Note: the answer to this question is marked incorrect.*
   
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2. Which of the following are examples of behavioral biometrics? 
   - Fingerprints
   - Handwriting
   - Voice
   - Keystroke
   - Other

   *Note: the answer to this question is marked incorrect.*
   
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3. Consider a color image of size 1024 x 1024, where each pixel is stored in 5-bits (taking red, green, and blue components of 5-bits each). How many bytes of information can be hidden in the image by using single LSB Steganography technique? 
   - 5,120 bytes
   - 5,000 bytes
   - 2,000 bytes
   - 1,250 bytes
   - None of these

   *Note: the answer to this question is marked incorrect.*
   
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4. Which of the following are true for a biometric system? 
   - A fingerprint acquisition application, a user template is compared against a single template stored in the database.
   - For cryptology and biometric applications, a user template is compared against all the templates stored in the database.
   - Multimodal biometrics are used to improve accuracy.
   - None of these

   *Note: the answer to this question is marked incorrect.*
   
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5. How is a biometric dental-service attack mounted? 
   - By sending CMIP echo request to a broadcast address, and using the victim IP address as sender.
   - By opening a large number of TCP half-open connections.
   - By sending an echo packet that is larger than the maximum permissible size.
   - None of these

   *Note: the answer to this question is marked incorrect.*
   
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6. Some common characteristics of network-based attacks are: 
   - They rely on powerful server machines.
   - They exploit some weaknesses in network protocols.
   - They exploit some weaknesses in system configuration.
   - None of these

   *Note: the answer to this question is marked incorrect.*
   
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7. Which of the following is true for SVN flooding attack? 
   - It exploits the accumulation of TCP half-open connections.
   - It floods a larger number of CMIP echo packets, it is a synchronicity attack.
   - It exploits weaknesses in the victim machines, and prevents general requests from being processed.
   - None of these

   *Note: the answer to this question is marked incorrect.*
   
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8. What is a denial of service (DoS) attack? 
   - A host connected to the internet, which runs one or more bots.
   - It is a worm through which the DoS attack is mounted.
   - A trivial attack that prevents DNS attacks from being processed.
   - None of these

   *Note: the answer to this question is marked incorrect.*
   
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9. How does FTP provide security in email transmission? 
   - It provides authentication.
   - It provides confidentiality.
   - It ensures availability.
   - All of these

   *Note: the answer to this question is marked incorrect.*
   
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10. What is the difference between a single DNS names resolution? 
   - The DNS may have to send multiple DNS requests to access DNS servers.
   - The reverse names resolution, the host sends a single DNS request to its immediate root DNS server.
   - The DNS lookup and distribution are used for better performance.
   - All of these

   *Note: the answer to this question is marked incorrect.*
   
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Due on 2019-09-25, 23:59 IST.